

BASIC AND STRUCTURAL DATA

Education Statistics for the
Federal Republic of Germany

1990/91



Federal Ministry of
Education and Science

BASIC AND STRUCTURAL DATA

Education Statistics for the
Federal Republic of Germany

Federal Ministry
of
Education and
Science

1990/1991 Edition

Published by the:

Federal Ministry of Education and Science
Heinemannstraße 2
Referat I B 6 (Telephone : 2)
5300 Bonn 2 (November 1990)

Sole distributors:

Verlag Karl-Heinrich Bock
Reichenberger Straße 11 e
5340 Bad Honnef 1
ISBN 3-87066-691-9
DM 9.80

Typesetting and graphic work:
tgr – typo-grafic-repro gmbh, 5630 Remscheid 1

Printing by:
Druckerei E. Klüsener GmbH & Co KG
5600 Wuppertal 1

General Statistics

0

Kindergartens

1

Schools

2

Vocational Education

3

Higher Education

4

Training Assistance

5

Continuing Education (Adult Education)

6

The Education Budget/Research Expenditure

7

Population, Economy and Public Spending

8

International Comparison

9

**Population and Education in the
territory of the former GDR**

10

Notes

Contents

Each section has a detailed table of contents together with definitions

Geographical Area

Federal Republic of Germany including Berlin (West).

Sources

Unless otherwise stated, the figures for the Federal Republic of Germany are taken from the relevant publications by the Federal Statistical Office or the Statistical Offices of the Laender. The data relating to the GDR were provided by the Statistical Office of the GDR.

Validity

As slight variations are possible, figures for the years after 1988 should, as a rule, be regarded as provisional.

Estimated figures have been shaded.

Details may not add to totals due to rounding.

Signs

- not available
- no data known

Abbreviations

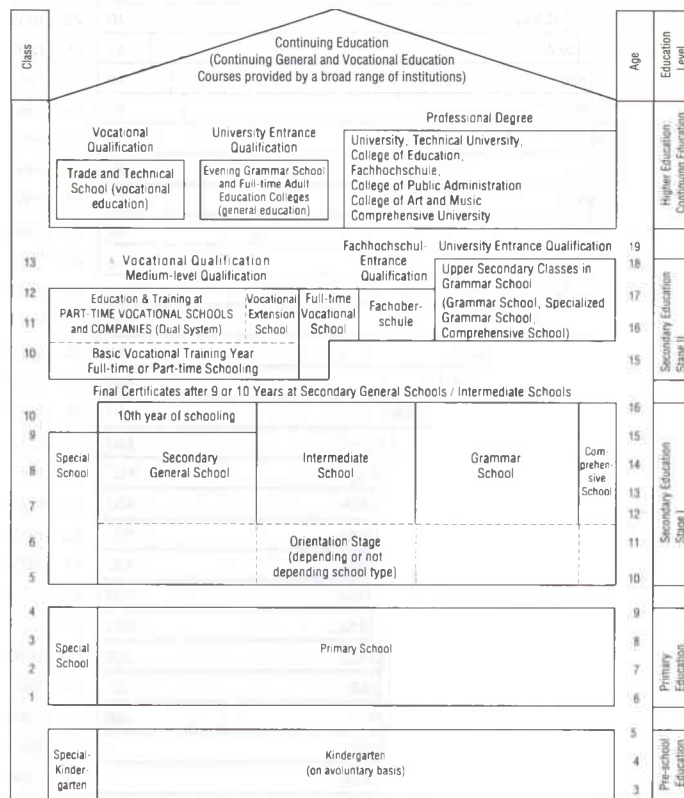
Federal Laender

BW	= Baden-Wuerttemberg	BB	= Brandenburg
BA	= Bavaria	MV	= Mecklenburg-Vorpommern
HE	= Hesse	SS	= Saxony
NS	= Lower Saxony	SA	= Saxe-Anhalt
NW	= North-Rhine Westphalia	TH	= Thuringia
RP	= Rhineland-Palatinate		
SL	= Saarland		
SH	= Schleswig-Holstein		
BE	= Berlin (West and East)		
BR	= Bremen		
HA	= Hamburg		
BG	= Federal Republic (Bundesgebiet)		
KMK	= Standing Conference of Ministers of Education and Cultural Affairs of the Laender in the Federal Republic of Germany		

Training Fields

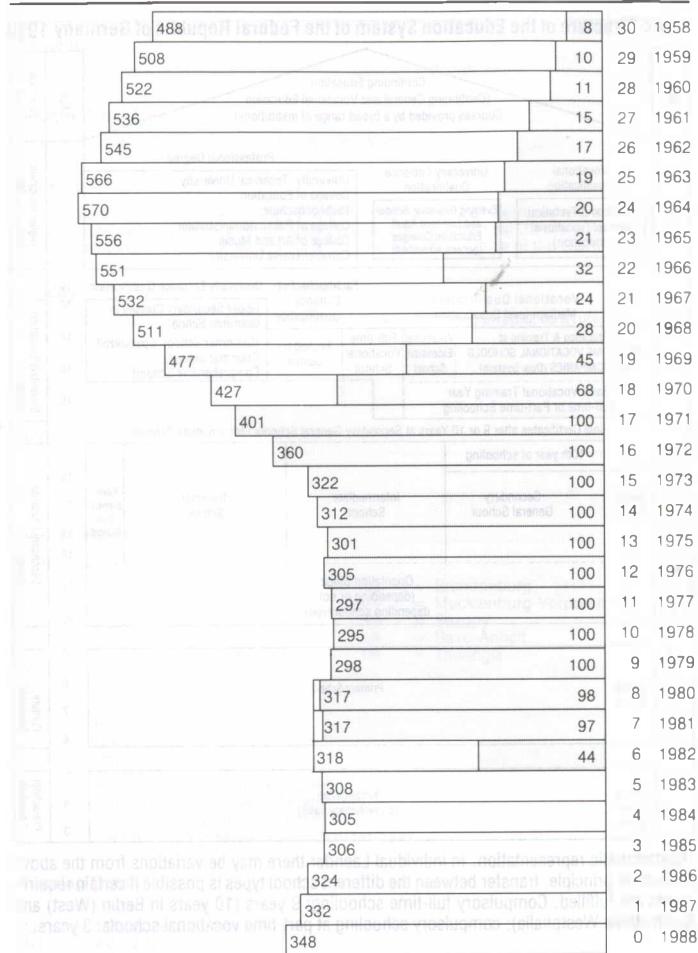
Cr	= Crafts
IC	= Industry and Commerce
AG	= Agriculture
TP	= The Professions
DS	= Domestic Science

Basic Structure of the Education System of the Federal Republic of Germany 1990



Diagrammatic representation. In individual Laender there may be variations from the above pattern. In principle, transfer between the different school types is possible if certain requirements are fulfilled. Compulsory full-time schooling: 9 years (10 years in Berlin (West) and North-Rhine Westphalia); compulsory schooling at part-time vocational schools: 3 years.

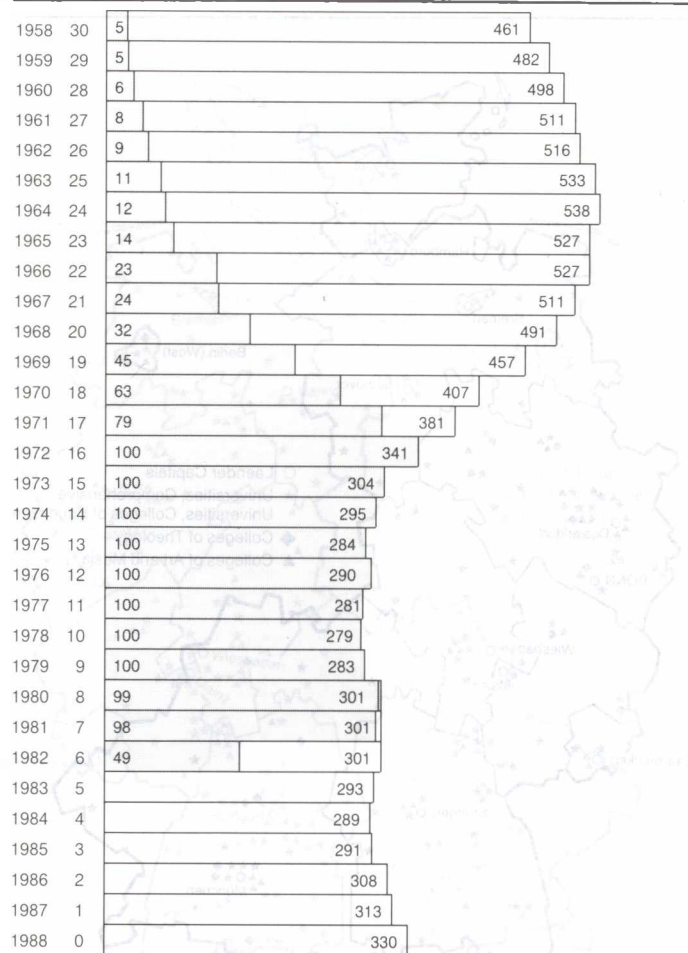
Population and Participation in Education (Male) 1988



Male population (German and foreign) 1988 (thousands)	Participation in education*) as %	A g e	Year of birth
--	--------------------------------------	-------------	---------------------

*) Excluding kindergartens, school kindergartens and continuing education

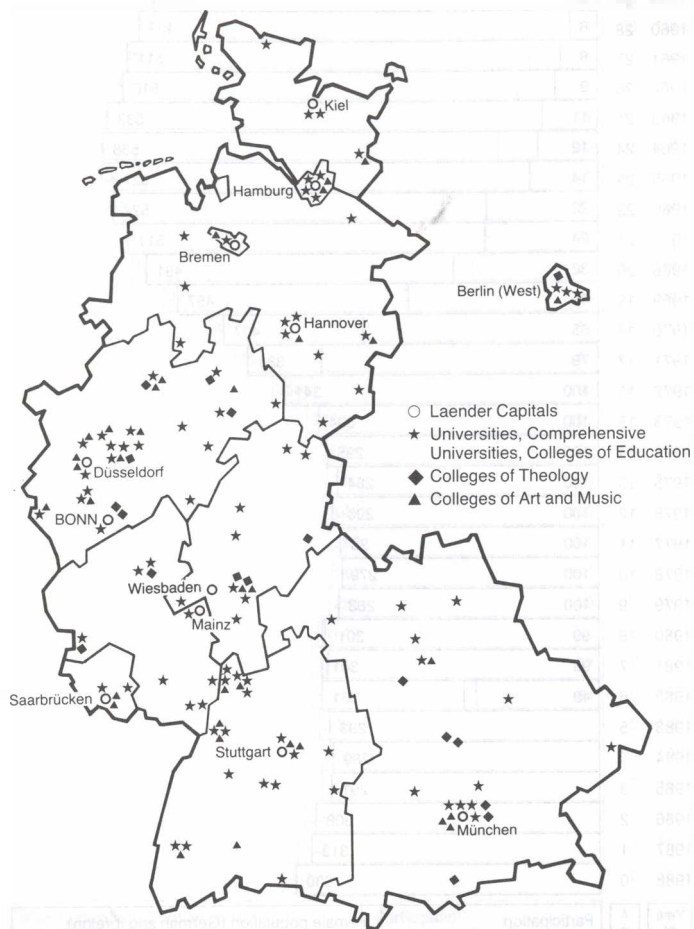
Population and Participation in Education (Female) 1988



Year of birth	A g e	Participation in education*) as %	Female population (German and foreign) 1988 (thousands)
---------------------	-------------	--------------------------------------	--

but including technical schools, schools for nurses, midwives etc. and evening schools.

Universities, Colleges of Art and Music 1989



Fachhochschulen 1989



Total Population, Employed, Unemployed, Pupils

No.	Category	in	1960	1965	1970	1975
1	Population	1000	55958	59297	61001	61645
2	male	1000	26328	28171	29072	29382
3	female	1000	29630	31126	31929	32263
4	foreigners	1000	•	•	•	3900
5	live-born children	1000	969	1044	811	601
6	live-born foreign children	1000	11	38	63	96
7	Surplus of births (+) or deaths (-)	1000	+326	+367	+76	-149
8	net immigration (+) or net emigration (-)	1000	+364	+344	+574	-199
9	Persons in Employment	1000	26247	26887	26668	25810
10	male	1000	16500	17084	17086	16202
11	female	1000	9747	9803	9582	9608
12	Foreigners in employment	1000	279	1119	1807	2061
	of which					
13	Greeks	1000	•	179	230	203
14	Italians	1000	•	329	364	293
15	Jugoslaves	1000	•	•	374	417
16	Portuguese	1000	•	11	40	70
17	Spaniards	1000	•	172	163	129
18	Turks	1000	•	119	323	551
19	Unemployed persons	1000	271	147	149	1074
20	unemployment rate	percent	1.3	0.7	0.7	4.7
21	adolescents under 20	1000	•	•	•	•
22	rate	percent	•	•	•	•
23	university graduates	1000	•	•	•	30
24	percentage ¹⁾	percent	•	•	•	2.8
25	teachers	1000	•	•	•	3
26	percentage ¹⁾	percent	•	•	•	0.3
27	Pupils ²⁾	1000	8578	9440	10981	12330
28	foreign pupils	1000	•	54	186	451
29	at schools of general education	1000	6648	7313	8968	10157
30	school beginners	1000	•	•	•	•
31	vocational schools	1000	1929	2127	2013	2174
32	schools for nurses, midwives etc.	1000	•	•	61	89

¹⁾ Percentage of total number of unemployed persons

²⁾ Not including pupils being trained as nurses, midwives etc.

³⁾ New figures which take into account the 1987 Census

Total Population, Employed, Unemployed, Pupils

1980	1984	1985	1986	1987	1988	1989	No
61658	61049	61020	61140	61238	61715	62260	1
29481	29179	29190	29285	29419	29693	30003	2
32177	31870	31830	31855	31819	32022	32256	3
4566	4405	4482	4662	4241	4489	4846	4
621	584	586	626	642	677	682	5
81	55	54	59	67	74	80	6
−93	−112	−118	−76	−45	−10	−16	7
+312	−151	+83	+188	+216	+482	+482	8
26328	25363	25540	25796 ³⁾	27132 ³⁾	27301 ³⁾	27744 ³⁾	9
16499	15705	15789	15885	16632	16600	16948	10
9829	9658	9751	9911	10500	10700	10794	11
2018	1609	1568	1570	1577	1610	1678	12
132	103	103	101	100	97	100	13
305	214	197	187	176	172	173	14
354	293	290	290	290	293	300	15
59	40	35	35	36	37	39	16
86	69	67	66	64	63	62	17
578	507	496	508	519	535	563	18
889	2266	2304	2228	2229	2242	2038	19
3.8	9.1	9.3	9.0	8.9	8.7	7.9	20
73	166	159	145	128	106	78	21
3.2	7.9	8.1	7.4	6.6	6.1	6.0	22
42	115	118	114	126	139	128	23
4.7	5.1	5.1	5.1	5.6	6.2	6.8	24
9	30	30	29	29	31	25	25
1.0	1.3	1.3	1.3	1.3	1.4	1.3	26
11763	10250	9882	9555	9288	9109	8994	27
747	791	789	811	848	890	929	28
9186	7592	7214	6955	6778	6708	6734	29
636	592	578	607	628	640	623	30
2576	2658	2669	2601	2510	2401	2260	31
97	109	112	111	109	107	106	32

Apprentices, Students, School-leavers, Completed Apprenticeships, Graduates, Staff

No.	Category	in	1960	1965	1970	1975
33	Apprentices of which	1000	1265.9	1331.9	1268.7	1328.9
34	foreigners	1000	•	•	•	•
35	new training contracts	1000	•	•	•	•
36	Students at higher education institutions of which	1000	291.1	384.4	510.5	840.8
37	foreign students	1000	21.8	26.6	28.4	48.7
38	first-year students	1000	79.4	85.7	125.7	166.6
39	of which foreigners	1000	5.2	5.4	5.9	10.7
40	School-leavers	1000	•	•	780.7	954.6
41	from secondary general schools	1000	468.6	563.2	489.1	461.6
42	with secondary general school certificate	1000	•	422.8	348.8	347.1
43	without secondary general school certificate	1000	•	134.6	140.3	114.6
44	with intermediate school certificate	1000	•	•	200.1	318.0
45	with university entrance qualification	1000	56.7	50.5	91.5	175.0
46	Apprentices who passed qualifying examinations	1000	•	•	•	460.7
47	Students who passed qualifying examinations	1000	42.6	59.9	77.1	107.4
48	Full-time staff employed in the public sector	1000	1802.9	2067.8	2272.9	2612.3
49	at Federal level	1000	211.4	286.8	305.1	322.0
50	at Länder level	1000	949.6	1070.2	1209.9	1440.2
51	at Local Government level	1000	641.9	710.8	757.9	850.1
52	Teachers at all schools	1000	263.5	301.9	389.2	495.1
53	at general education schools	1000	224.1	257.7	338.7	431.0
54	pupils per teacher	number	30.7	28.3	26.7	23.3
55	at vocational schools	1000	39.4	44.2	50.5	64.1
56	pupils per teacher	number	42.6	47.4	39.6	33.8
57	Teachers at higher education institutions	1000	•	•	•	76.2
58	at universities	1000	•	•	•	68.0
59	students per teacher	number	•	•	•	10
60	at Fachhochschulen	1000	•	•	•	8.1
61	students per teacher	number	•	•	•	18
62	Other higher education staff	1000	•	•	•	140.1

Apprentices, Students, School-leavers, Completed Apprenticeships, Graduates, Staff

1980	1984	1985	1986	1987	1988	1989	No
1715.5	1800.1	1831.3	1805.2	1738.7	1658.0	1552.5	33
●	49.2	51.4	57.3	63.6	73.2	83.6	34
670.9	723.5	709.2	696.4	659.1	610.3	567.4	35
1044.2	1314.2	1338.0	1367.7	1410.8	1470.7	1509.0	36
57.9	72.0	74.3	77.2	81.0	86.8	91.9	37
195.0	221.3	207.7	210.8	229.7	246.2	252.6	38
11.8	14.3	14.8	14.1	16.3	18.8	21.0	39
1144.7	1168.3	1110.2	1035.6	975.7	936.3	849.6	40
500.8	427.1	391.6	350.4	323.6	286.9	266.0	41
391.4	344.2	319.9	285.2	264.5	231.1	211.9	42
109.4	82.9	71.7	65.2	59.0	55.8	54.1	43
422.2	438.7	419.7	393.8	361.5	340.5	303.5	44
221.7	305.0	298.9	291.4	290.6	291.5	280.1	45
567.3	604.8	632.5	675.0	680.1	643.1	601.6	46
112.5	128.2	132.6	135.2	139.4	142.5	●	47
2804.5	2828.4	2837.0	2842.7	2857.4	2842.1	2818.6	48
316.2	313.7	312.8	311.8	313.1	312.3	310.8	49
1567.9	1577.8	1571.7	1559.6	1548.3	1538.1	1520.5	50
920.4	937.0	952.4	971.4	996.0	991.8	987.2	51
557.3	550.2	546.6	541.6	536.4	532.4	539.5	52
478.1	461.7	457.1	452.0	446.7	442.6	450.5	53
18.5	16.3	15.7	15.3	15.0	15.0	15.0	54
79.2	88.5	89.5	89.6	89.7	89.8	89.0	55
32.0	29.9	29.6	28.9	27.9	26.7	25.2	56
85.2	91.4	92.9	96.1	98.8	102.1	●	57
76.0	81.2	82.6	85.6	88.3	91.4	●	58
11	13	13	12	12	12	●	59
9.2	10.2	10.3	10.4	10.5	10.6	●	60
22	29	29	32	31	32	●	61
160.6	183.0	186.2	192.6	193.9	196.1	●	62

Expenditure, Tax Revenue, Debt, Gross National Product

No.	Variable	in	1960	1965	1970	1975
63	Total public expenditure	billion DM	64.55	140.58	196.33	354.77
64	DM per inhabitant	1000	1.1	2.4	3.2	5.7
65	Federal Government	billion DM	31.10	65.46	88.21	160.15
66	Laender	billion DM	25.17	54.55	77.09	146.27
67	Local Government	billion DM	16.52	39.02	56.49	101.40
68	Expenditure on staff	billion DM	16.75	37.34	61.48	118.31
69	Federal Government	billion DM	3.57	9.08	14.61	25.54
70	Laender	billion DM	8.92	19.02	31.65	62.30
71	Local Government	billion DM	4.26	9.25	15.22	30.47
72	Education budget	million DM	•	15676	27759	56835
73	DM per inhabitant	DM	•	264	455	922
74	for schools	million DM	•	10209	17066	32779
75	Laender	million DM	•	•	11423	23368
76	Local Government	million DM	•	•	5618	9303
77	for higher education	million DM	•	3541	6873	13585
78	Federal Government	million DM	•	•	985	1339
79	Laender	million DM	•	•	5873	12247
80	Expenditure on staff	million DM	•	•	13726	29806
81	at schools	million DM	•	•	10015	20679
82	at higher education institutions	million DM	•	•	3208	7958
83	Tax revenue in cash terms	million DM	68650	104460	152555	240827
84	DM per inhabitant	DM	1227	1762	2501	3907
85	Federal Government	million DM	36595	59030	83597	120012
86	Laender	million DM	21471	32366	50482	81560
87	Local Government	million DM	8562	13064	18240	33591
88	Long-term debt	million DM	71097	105980	149971	282565
89	DM per inhabitant	DM	1266	1795	2440	4569
90	Federal Government	million DM	22285	31124	47748	107094
91	Laender	million DM	31093	38248	48474	88125
92	Local Government	million DM	13777	29640	45590	74827
93	Gross domestic product	million DM	302710	459170	675300	1026900
94	DM per inhabitant	DM	5461	7833	11134	17328

Expenditure, Tax Revenue, Debt, Gross National Product

1980	1984	1985	1986	1987	1988	1989	No.
498 09	568 09	588 81	610.18	630 92	645 64	675 47	63
8 1	9 3	9 7	10 0	10 3	10 5	10 9	64
217 58	253 85	259 45	263 85	271 49	277 78	292 44	65
208 65	234 37	243 42	254 14	263 91	268 59	280 60	66
145 58	154 71	162 94	172 48	179 24	184 12	193 12	67
162 57	184 95	191 81	200 51	209 02	213 41	218 63	68
32 24	35 46	36 67	37 94	39 27	40 12	41 34	69
87 44	100 22	103 77	108 12	112 34	114 39	117 28	70
42 89	49 27	51 37	54 45	57 41	58 90	60 01	71
77127	83151	85264	88722	91893	93113	95344	72
1251	1362	1397	1451	1501	1509	1558	73
43780	45835	46807	48145	49156	49740	50864	74
32857	36124	37079	37949	38815	39271	40101	75
10884	9692	9711	10183	10330	10458	10752	76
17750	21292	21415	23073	24715	25434	25782	77
868	1237	1071	1195	1080	1060	1205	78
16882	20055	20345	21877	23635	24374	24577	79
43356	49582	51253	53435	55117	56526	57687	80
30252	33898	34797	36021	36940	37564	38236	81
11172	13515	14103	14871	15513	16122	16555	82
364916	414695	437199	452436	468660	488096	535525	83
5918	6793	7165	7400	7662	7947	8639	84
177542	198864	207930	210584	218838	222672	249786	85
125474	143872	152516	160099	166488	172965	189215	86
51299	57102	61453	63832	64849	68851	73650	87
493181	745905	791924	831363	882308	938694	965390	88
8011	12191	12979	13618	14442	15284	15573	89
230000	365539	392361	413378	440477	475169	490540	90
159572	256016	274190	290796	311897	330836	338365	91
92685	109355	110518	112765	115860	118008	120483	92
1478940	1755840	1830490	1931420	2003750	2110680	2235580	93
23986	28702	29996	31628	32807	34348	36064	94

Population according to Age and Sex. Pupils and Students according to Type of School, Age and Sex and in per cent of the Population of the Same Age

Sex	Year	Population Pupils and Students						
		Total ¹⁾		of which				
				Primary Schools and Secondary General Schools	Com- prehen- sive Schools	Special Schools	Inter- mediate Schools ²⁾	
		Thousands	Percentage of the Population of the Same Age					
		10 to under 11 years						
Total	1960	786	781	99.4	90.6	—	2.6	2.0
	1970	948	949	100.1	72.9	—	4.8	7.9
	1980	809	808	99.9	75.2	1.1	3.8	6.7
	1985	574	569	99.1	75.7	1.6	3.7	6.1
	1988	574	574	99.9	73.9	2.6	3.6	6.2
Male	1985	293	292	99.5	76.9	1.6	4.5	5.3
	1988	295	294	99.7	74.7	2.6	4.5	5.5
Female	1985	281	277	98.7	74.4	1.6	2.8	6.8
	1988	279	280	100.1	73.0	2.6	2.7	6.9
		11 to under 12 years						
Total	1960	792	790	99.8	76.6	—	2.9	7.2
	1970	925	932	100.8	59.6	—	5.8	13.8
	1980	912	912	100.0	56.0	2.3	4.3	13.6
	1985	599	588	98.1	53.6	3.3	4.1	13.4
	1988	578	578	99.9	50.1	5.3	4.0	13.6
Male	1985	304	299	98.4	54.7	3.4	5.0	12.5
	1988	297	295	99.2	50.9	5.5	4.8	12.6
Female	1985	295	288	97.8	52.4	3.1	3.3	14.5
	1988	281	283	100.6	49.3	5.1	3.2	14.7
		12 to under 13 years						
Total	1960	754	747	99.1	72.0	—	3.1	9.5
	1970	883	884	100.1	57.1	—	5.5	16.5
	1980	979	979	100.0	45.4	3.0	4.6	20.6
	1985	617	616	100.0	45.2	4.0	4.6	20.1
	1988	595	583	98.0	41.1	5.2	4.3	19.3
Male	1985	314	317	101.0	48.2	4.1	5.4	18.2
	1988	305	300	98.3	43.5	5.3	5.2	17.5
Female	1985	303	300	98.9	42.1	3.8	3.7	22.0
	1988	290	283	97.6	38.5	5.0	3.4	21.1
		13 to under 14 years						
Total	1960	708	707	99.8	70.1	—	3.0	11.3
	1970	867	877	101.2	55.3	—	5.2	19.0
	1980	1015	1015	100.0	39.2	3.8	4.9	25.4
	1985	688	683	99.3	36.6	4.8	4.7	25.9
	1988	585	583	99.9	33.8	5.2	4.7	26.0
Male	1985	351	349	99.5	39.6	4.9	5.7	23.4
	1988	301	300	99.7	36.3	5.3	5.6	23.7
Female	1985	337	334	99.1	33.5	4.7	3.7	28.5
	1988	284	284	100.0	31.1	5.1	3.7	28.4

¹⁾ Population figures at the end of the year, pupil figures usually in October; hence in some cases more than 100 per cent

²⁾ Including evening intermediate schools

Population according to Age and Sex. Pupils and Students according to Type of School, Age and Sex and in per cent of the Population of the Same Age (cont.)

Pupils and Students						Year	Sex
of which							
Grammar Schools ³⁾	Part-time Vocational Schools ⁴⁾	Full-time Vocational Schools	Fach-ober schulen/ Special-ized Gram-mar Schools	Trade and Technical Schools	Higher Education Insti-tutions		
Percentage of the Population of the Same Age							
10 to under 11 years							
4,2	—	—	—	—	—	1960	Total
14,5	—	—	—	—	—	1970	
13,1	—	—	—	—	—	1980	
12,1	—	—	—	—	—	1985	
13,6	—	—	—	—	—	1988	
11,2	—	—	—	—	—	1985	Male
12,4	—	—	—	—	—	1988	
13,1	—	—	—	—	—	1985	Female
14,9	—	—	—	—	—	1988	
11 to under 12 years							
13,1	—	—	—	—	—	1960	Total
21,6	—	—	—	—	—	1970	
23,8	—	—	—	—	—	1980	
23,7	—	—	—	—	—	1985	
26,8	—	—	—	—	—	1988	
22,8	—	—	—	—	—	1985	Male
25,4	—	—	—	—	—	1988	
24,6	—	—	—	—	—	1985	Female
28,3	—	—	—	—	—	1988	
12 to under 13 years							
14,5	—	—	—	—	—	1960	Total
21,0	—	—	—	—	—	1970	
26,4	—	—	—	—	—	1980	
26,1	—	—	—	—	—	1985	
28,2	—	—	—	—	—	1988	
25,0	—	—	—	—	—	1985	Male
26,8	—	—	—	—	—	1988	
27,3	—	—	—	—	—	1985	Female
29,6	—	—	—	—	—	1988	
13 to under 14 years							
15,0	—	0,4	—	—	—	1960	Total
21,0	—	0,7	—	—	—	1970	
26,7	—	—	—	—	—	1980	
27,3	—	—	—	—	—	1985	
30,2	—	—	—	—	—	1988	
26,0	—	—	—	—	—	1985	Male
28,8	—	—	—	—	—	1988	
28,7	—	—	—	—	—	1985	Female
31,7	—	—	—	—	—	1988	

³⁾ Including evening grammar schools and secondary education colleges

⁴⁾ Including basic vocational training year and vocational extension schools

Population according to Age and Sex. Pupils and Students according to Type of School, Age and Sex and in per cent of the Population of the Same Age

Sex	Year	Population Pupils and Students						
		Total ¹⁾	of which					
				Primary Schools and Secondary General Schools	Com- prehen- sive Schools	Special Schools	Inter- mediate Schools ²⁾	
		Thousands	Percentage of the Population of the Same Age					
14 to under 15 years								
Total	1960	657	656	99.8	44.6	—	2.3	11.1
	1970	837	845	101.0	48.8	—	4.7	18.9
	1980	1050	1044	99.5	40.6	3.8	5.2	25.2
	1985	774	756	97.7	36.7	4.6	4.7	26.2
	1988	607	599	98.7	34.9	4.7	4.8	26.6
Male	1985	396	386	97.5	39.5	4.7	5.7	23.4
	1988	312	307	98.5	37.3	4.9	5.8	24.2
Female	1985	378	370	97.7	33.8	4.4	3.7	29.0
	1988	295	292	99.0	32.3	4.5	3.8	29.9
15 to under 16 years								
Total	1960	563	546	97.0	7.5	—	0.8	10.3
	1970	807	785	97.3	14.7	—	2.0	16.0
	1980	1058	1038	98.1	25.2	3.3	4.4	24.0
	1985	811	830	102.4	28.6	4.3	4.5	27.1
	1988	626	647	103.3	28.8	4.6	4.6	27.2
Male	1985	415	427	102.8	31.6	4.5	5.3	24.2
	1988	322	334	103.7	31.4	4.9	5.5	24.5
Female	1985	395	403	102.0	25.4	4.2	3.6	30.1
	1988	304	313	103.0	25.6	4.4	3.7	30.0
16 to under 17 years								
Total	1960	764	711	93.0	0.5	—	0.1	7.1
	1970	815	771	94.6	1.5	—	0.4	7.6
	1980	1083	1045	96.5	7.7	1.8	2.0	13.8
	1985	913	908	99.4	11.2	2.5	2.6	16.8
	1988	701	659	94.0	11.7	2.8	2.8	17.2
Male	1985	469	470	100.3	12.4	2.6	3.0	16.1
	1988	360	344	95.5	12.9	3.0	3.3	16.5
Female	1985	444	438	98.5	10.0	2.4	2.1	17.5
	1988	341	315	92.3	10.5	2.6	2.3	17.9
17 to under 18 years								
Total	1960	789	515	65.3	•	—	•	2.4
	1970	790	661	83.7	•	—	•	1.8
	1980	1072	957	89.3	•	0.8	•	3.8
	1985	980	943	96.2	2.5	1.0	2.5	4.9
	1988	782	642	82.0	2.6	1.3	3.0	4.6
Male	1985	504	499	99.0	2.6	1.1	2.8	5.2
	1988	401	337	84.0	2.7	1.4	3.4	4.9
Female	1985	476	444	93.2	2.3	1.0	2.1	4.6
	1988	381	305	80.0	2.4	1.1	2.6	4.3

¹⁾ Population figures at the end of the year, pupil figures usually in October; hence in some cases more than 100 per cent ²⁾ Including evening intermediate schools

Population according to Age and Sex. Pupils and Students according to Type of School, Age and Sex and in per cent of the Population of the Same Age (cont.)

Pupils and Students						Year	Sex
of which							
Grammar Schools ³⁾	Part-time Vocational Schools ⁴⁾	Full-time Vocational Schools	Fach-ober schulen/ Special-ized Gram-mar Schools	Trade and Technical Schools	Higher Education Institutions		
Percentage of the Population of the Same Age							
14 to under 15 years							
14.0	24.7	3.1	—	—	—	1960	Total
20.1	5.1	3.4	—	—	—	1970	
24.4	0.1	0.2	—	—	—	1980	
25.5	—	0.1	—	—	—	1985	
27.7	—	0.1	—	—	—	1988	
24.1	—	0.1	—	—	0.0	1985	Male
26.1	—	0.1	—	—	—	1988	
26.9	—	0.1	—	—	—	1985	Female
29.3	—	0.1	—	—	—	1988	
15 to under 16 years							
13.9	58.7	5.8	—	—	—	1960	Total
17.7	38.5	8.1	0.3	—	—	1970	
22.7	13.5	5.0	0.0	—	0.0	1980	
25.7	8.7	3.5	—	—	0.0	1985	
26.9	7.5	3.8	—	—	0.0	1988	
24.4	10.5	2.4	—	—	0.0	1985	Male
25.4	8.8	3.1	—	—	—	1988	
27.2	6.8	4.7	—	—	0.0	1985	Female
28.4	6.2	4.6	—	—	0.0	1988	
16 to under 17 years							
13.0	67.8	4.5	—	—	—	1960	Total
16.4	60.6	7.1	1.0	—	—	1970	
21.9	37.7	10.4	1.2	—	0.0	1980	
24.0	30.5	10.7	1.1	—	0.0	1985	
25.4	23.3	10.9	1.4	—	0.0	1988	
22.9	35.5	6.7	1.1	—	0.0	1985	Male
23.9	27.1	7.3	1.4	—	0.0	1988	
25.1	25.2	15.0	1.2	—	0.0	1985	Female
27.0	19.3	11.2	1.4	—	0.0	1988	
17 to under 18 years							
11.1	47.6	2.9	—	1.3	—	1960	Total
13.9	60.6	3.6	1.7	2.1	—	1970	
21.2	51.8	8.2	2.5	1.0	0.0	1980	
22.5	48.5	11.1	2.6	0.5	0.0	1985	
23.7	35.3	8.3	2.9	0.3	0.0	1988	
21.7	55.8	7.1	2.7	—	0.0	1985	Male
22.6	39.2	6.5	3.3	0.0	0.0	1988	
23.4	41.1	15.2	2.5	1.0	0.0	1985	Female
24.8	31.2	10.2	2.6	0.6	0.0	1988	

³⁾ Including evening grammar schools and secondary education colleges

⁴⁾ Including basic vocational training year and vocational extension schools

Population according to Age and Sex. Pupils and Students according to Type of School, Age and Sex and in per cent of the Population of the Same Age

Sex	Year	Population Pupils and Students						
		Total)	of which					
			Primary Schools and Secondary General Schools	Com- prehen- sive Schools	Special Schools	Inter- mediate Schools ¹⁾		
		Thousands	Percentage of the Population of the Same Age					
		18 to under 19 years						
Total	1960	778	249	32.0	—	—	—	0.4
	1970	807	387	47.9	—	—	—	0.4
	1980	1035	729	70.4	—	0.5	—	0.5
	1985	1019	824	80.9	—	0.7	—	0.8
Male	1988	834	531	63.7	—	0.8	—	0.7
	1985	523	447	85.5	—	0.7	—	0.9
	1988	427	294	68.9	—	0.8	—	0.8
	Female	1985	496	377	76.1	—	0.7	—
1988		407	261	64.1	—	0.7	—	0.6
		19 to under 20 years						
Total	1960	958	171	17.9	—	—	—	0.1
	1970	803	200	20.7	—	—	—	0.2
	1980	1028	465	45.2	—	0.2	—	0.2
	1985	1059	577	54.5	—	0.3	—	0.2
Male	1988	934	427	45.7	—	0.4	—	0.2
	1985	544	303	55.7	—	0.3	—	0.2
	1988	477	217	45.5	—	0.4	—	0.3
	Female	1985	515	274	53.3	—	0.3	—
1988		457	206	45.2	—	0.3	—	0.2
		20 to under 21 years						
Total	1960	1046	111	10.6	—	—	—	0.0
	1970	826	136	16.5	—	—	—	0.1
	1980	1004	277	27.6	—	—	—	0.1
	1985	1069	374	35.0	—	0.2	—	0.1
Male	1988	1002	306	30.6	—	0.2	—	0.1
	1985	551	182	33.1	—	0.2	—	0.1
	1988	511	147	28.7	—	0.2	—	0.1
	Female	1985	518	192	37.0	—	0.1	—
1988		490	159	32.5	—	0.1	—	0.1
		21 to under 22 years						
Total	1960	1044	73	7.0	—	—	—	•
	1970	836	97	11.6	—	—	—	•
	1980	977	210	21.5	—	—	—	0.1
	1985	1096	279	25.4	—	—	—	0.1
Male	1988	1043	252	24.1	—	—	—	0.1
	1985	565	140	24.8	—	—	—	0.1
	1988	532	126	23.8	—	—	—	0.1
	Female	1985	530	139	26.1	—	—	—
1988		511	125	24.5	—	—	—	0.0

¹⁾ Including evening intermediate schools

Population according to Age and Sex. Pupils and Students according to Type of School, Age and Sex and in per cent of the Population of the Same Age (cont.)

Pupils and Students						Year	Sex
of which							
Grammar Schools ²⁾	Part-time Vocational Schools ³⁾	Full-time Vocational Schools	Fach-ober schulen/ Special-ized Gram-mar Schools	Trade and Technical Schools	Higher Education Institutions		
Percentage of the Population of the Same Age ¹⁾							
18 to under 19 years							
8.4	19.2	1.5	—	2.4	0.1	1960	Total
10.9	29.2	1.3	1.6	3.4	1.1	1970	
18.1	41.9	4.1	2.6	2.4	0.3	1980	
21.0	47.3	6.4	2.9	1.6	0.2	1985	
22.3	34.1	4.2	3.2	1.1	0.2	1988	
20.5	55.0	4.5	3.3	0.4	0.2	1985	Male
21.7	38.0	3.4	3.6	0.3	0.2	1988	
21.5	39.4	8.3	2.6	2.9	0.2	1985	Female
23.0	30.0	5.0	2.8	1.9	0.2	1988	
19 to under 20 years							
5.3	7.8	0.7	—	2.6	1.4	1960	Total
5.0	10.2	0.6	1.1	3.6	4.2	1970	
9.0	24.2	2.3	2.3	3.4	3.8	1980	
9.7	31.9	3.5	2.4	3.1	3.5	1985	
10.9	24.2	2.2	2.6	1.8	3.4	1988	
10.2	36.0	2.4	3.1	0.8	2.5	1985	Male
11.5	26.5	1.7	3.1	0.6	2.0	1988	
9.1	27.3	4.6	1.7	5.5	4.5	1985	Female
10.3	21.8	2.7	2.1	3.1	4.8	1988	
20 to under 21 years							
2.0	2.9	0.3	—	2.0	3.4	1960	Total
2.4	3.8	0.3	0.7	2.3	6.9	1970	
2.5	10.3	1.4	1.7	2.9	8.7	1980	
2.4	17.4	2.1	1.7	3.5	7.8	1985	
2.6	14.2	1.5	1.9	2.2	8.0	1988	
3.0	18.0	1.4	2.4	1.1	7.0	1985	Male
3.1	14.5	1.0	2.4	0.7	6.7	1988	
1.9	16.5	3.0	0.9	5.9	8.6	1985	Female
2.1	13.9	1.9	1.2	3.8	9.3	1988	
21 to under 22 years							
•	1.1	0.2	—	1.5	4.2	1960	Total
•	1.4	0.1	0.4	1.3	8.4	1970	
0.3	5.9	0.6	1.1	1.8	11.7	1980	
0.8	8.6	1.2	1.1	2.3	11.4	1985	
0.7	7.9	1.0	1.2	1.7	11.6	1988	
0.9	8.3	0.8	1.6	0.9	12.3	1985	Male
0.8	7.6	0.7	1.6	0.6	12.3	1988	
0.5	9.0	1.6	0.5	4.0	10.5	1985	Female
0.6	8.2	1.3	0.8	2.9	10.8	1988	

²⁾ Including evening grammar schools and secondary education colleges

³⁾ Including basic vocational training year and vocational extension schools

Population according to Age and Sex. Pupils and Students according to Type of School, Age and Sex and in per cent of the Population of the Same Age

Sex	Year	Population Pupils and Students					
		Total	of which				
				Primary Schools and Secondary General Schools	Com- prehen- sive Schools	Special Schools	Inter- mediate Schools ¹⁾
		Thousands	Percentage of the Population of the Same Age				
		22 to under 23 years					
Total	1960	982	58	5.9	—	—	●
	1970	800	81	10.1	—	—	●
	1980	941	174	18.5	—	—	0.1
	1985	1085	301	27.7	—	—	0.1
	1988	1078	298	27.6	—	—	0.1
Male	1985	559	176	31.5	—	—	0.1
	1988	551	176	31.9	—	—	0.1
Female	1985	526	125	23.7	—	—	0.1
	1988	527	122	23.2	—	—	0.1
		23 to under 24 years					
Total	1960	920	38	4.1	—	—	●
	1970	764	57	7.5	—	—	●
	1980	927	144	15.5	—	—	0.1
	1985	1047	186	17.8	—	—	0.1
	1988	1084	190	17.5	—	—	0.0
Male	1985	539	112	20.8	—	—	0.1
	1988	556	116	20.9	—	—	0.1
Female	1985	507	74	14.5	—	—	0.0
	1988	527	74	14.0	—	—	0.0
		24 to under 25 years					
Total	1960	906	30	3.3	—	—	●
	1970	714	45	6.3	—	—	●
	1980	906	128	14.1	—	—	0.1
	1985	1039	174	16.8	—	—	0.1
	1988	1109	183	16.5	—	—	0.1
Male	1985	534	110	20.6	—	—	0.1
	1988	570	116	20.4	—	—	0.1
Female	1985	505	64	12.8	—	—	0.0
	1988	538	66	12.3	—	—	0.1
		25 to under 26 years					
Total	1960	880	21	2.4	—	—	●
	1970	618	33	5.3	—	—	●
	1980	875	104	11.9	—	—	—
	1985	1013	148	14.6	—	—	0.1
	1988	1098	167	15.2	—	—	0.1
Male	1985	521	98	18.7	—	—	0.1
	1988	566	109	19.2	—	—	0.1
Female	1985	492	50	10.2	—	—	0.0
	1988	533	58	10.9	—	—	0.0

¹⁾ Including evening intermediate schools

Population according to Age and Sex. Pupils and Students according to Type of School, Age and Sex and in per cent of the Population of the Same Age (cont.)

Pupils and Students						Year	Sex
of which							
Grammar Schools ²⁾	Part-time Vocational Schools ³⁾	Full-time Vocational Schools	Fach-ober schulen/ Special-ized Gram-mar Schools	Trade and Technical Schools	Higher Education Institutions		
Percentage of the Population of the Same Age							
22 to under 23 years							
•	•	•	—	1.2	4.7	1960	Total
•	0.2	•	0.5	1.1	8.3	1970	
0.4	2.0	0.8	0.7	1.4	13.1	1980	
0.4	10.1	1.0	0.6	1.8	13.7	1985	
0.3	10.6	1.1	0.7	1.4	13.5	1988	
0.5	12.2	0.8	0.9	1.2	15.9	1985	Male
0.3	12.8	1.0	1.0	0.8	15.9	1988	
0.4	7.9	1.2	0.3	2.5	11.4	1985	Female
0.3	8.3	1.2	0.5	1.9	11.0	1988	
23 to under 24 years							
•	•	•	•	•	4.1	1960	Total
•	•	•	•	•	7.5	1970	
0.4	0.1	•	0.3	1.3	13.3	1980	
0.4	—	0.8	0.3	1.5	14.7	1985	
0.3	0.1	0.7	0.4	1.3	14.6	1988	
0.4	0.1	0.7	0.4	1.5	17.7	1985	Male
0.3	0.1	0.5	0.6	1.4	17.8	1988	
0.4	—	0.9	0.1	1.6	11.6	1985	Female
0.3	0.0	0.9	0.3	1.2	11.2	1988	
24 to under 25 years							
•	•	—	•	•	3.3	1960	Total
•	•	—	•	•	6.3	1970	
0.3	—	—	0.2	1.1	12.4	1980	
0.4	0.1	—	0.2	1.3	14.8	1985	
0.3	0.1	—	0.3	1.1	14.6	1988	
0.4	0.1	—	0.3	1.6	18.3	1985	Male
0.3	0.1	—	0.4	1.3	18.2	1988	
0.3	—	0.1	0.1	0.9	11.2	1985	Female
0.3	0.0	—	0.2	0.8	10.9	1988	
25 to under 26 years							
•	—	—	•	•	2.4	1960	Total
•	—	—	•	•	5.3	1970	
—	—	—	0.2	0.9	10.8	1980	
0.3	—	—	0.1	1.0	13.2	1985	
0.3	—	—	0.2	0.9	13.7	1988	
0.3	—	—	0.2	1.4	16.8	1985	Male
0.3	—	—	0.2	1.3	17.4	1988	
0.3	—	—	—	0.6	9.3	1985	Female
0.3	—	—	0.1	0.5	9.9	1988	

²⁾ Including evening grammar schools and secondary education colleges

³⁾ Including basic vocational training year and vocational extension schools

Kindergartens

Kindergartens	Definitions
	For the day care of children from the age of three to under six.
Day-Care Centres	For the care of children of school age outside school hours.

Children Aged 3 to under 8 Who Attended Kindergartens in 1989¹⁾

Aged From ... To Under ... Nationality	Children Attending Kindergartens					
	Total	Boys		Girls		
	Thousands Per Cent ²⁾	Thousands Per Cent ²⁾	Thousands Per Cent ²⁾	Thousands Per Cent ²⁾	Thousands Per Cent ²⁾	Thousands Per Cent ²⁾
3-4	216	34.2	106	32.7	110	33.7
4-5	449	75.2	224	73.3	225	72.5
5-6	507	85.3	268	87.8	239	82.7
6-8	424	70.6	221	71.7	204	62.7
Total	1596	65.8	819	65.9	778	65.9
German	1440	•	738	•	703	•
Foreign	156	•	81	•	75	•

¹⁾ Result of micro-census

²⁾ As a percentage of the population of the same age.

Kindergartens

Kindergartens. Day Care Centres. Places in Kindergartens and Day Care Centres per Institution and 1000 Children according to Laender

Year Land	Kindergartens ¹⁾		Day Care Centres		Kindergartens Places per		Day Care Centres Places per	
	Places	Institutions	Places	Institutions	1000 Children ²⁾	Institution	1000 Children	Institution
	Thousands Total	Thousands Total	Thousands Total	Thousands Total				
Federal Republic								
1960	817.2	12290	67.4	1456	328	67	22	46
1965	952.9	14113	73.6	1857	327	68	21	40
1970	1160.7	17493	72.9	2036	384	66	18	36
1975	1478.9	23130	82.7	2376	655	64	21	35
1976	1463.0	23680	85.0	2484	705	62	23	34
1977	1441.0	23409	87.6	2615	755	62	25	34
1978	1396.9	23411	101.7	3106	773	60	31	33
1979	1390.7	23916	104.5	3109	784	58	35	34
1980	1392.5	23938	105.7	3026	787	58	38	35
1981	1396.5	24149	107.4	3096	793	58	41	35
1982	1335.0	22724	86.8	2407	769	59	37	36
1983 ³⁾	1410.0	•	94.0	•	800	•	40	•
1984 ³⁾	1435.0	•	98.0	•	801	•	42	•
1985 ³⁾	1465.0	•	100.0	•	800	•	44	•
1986	1438.4	24476	102.9	3041	790	59	44	34
1987 ³⁾	1415.0	•	100.0	•	790	•	44	•
1988 ³⁾	1398.0	•	97.0	•	790	•	44	•
1989 ³⁾	1440.0	•	107.0	•	790	•	44	•
Laender 1986								
BW	309.0	5411	11.9	287	1052	57	33	42
BA	238.3	4326	19.4	456	690	55	46	43
HE	144.8	2276	11.6	364	912	64	56	32
NS	121.9	1952	6.5	274	578	62	23	24
NW	377.2	6112	20.3	783	770	62	32	26
RP	110.7	1723	2.0	60	1001	64	15	33
SL	29.2	410	0.6	19	961	71	16	32
SH	39.3	766	2.6	87	537	51	28	30
BE	34.6	868	17.9	473	636	40	285	38
BR	13.2	186	0.6	23	793	71	28	26
HA	20.2	446	9.3	215	539	45	196	43

¹⁾ Including, as from 1980, school kindergartens in Bavaria

²⁾ 3 to 6 years of age

³⁾ Estimates

Definitions**General Education Schools****Primary Schools ("Grundschulen")**

are attended by all children. They cover the first four – in Berlin (West) the first six – years of schooling and provide a basic education, preparing the children for secondary schools

Secondary General Schools ("Hauptschulen")

normally cover five school years (classes 5 to 9, including class 10 in some Laender in accordance with differing regulations in the Laender). Where primary school lasts six years (Berlin West) or where there is a two-year orientation stage independent of the type of school, secondary general school lasts for three school years, covering classes 7 to 9. These schools provide general education as a basis for the practical training for a wide range of occupations.

Primary and secondary general schools may also offer classes for children with special needs or intermediate school classes. The respective data are shown under special schools or intermediate schools

Intermediate Schools ("Realschulen")

are secondary schools which children attend after having finished primary school or after class 6 of secondary general school. These schools end with the 10th year of education. The final certificate awarded by intermediate schools is the normal basis for a training in medium-level occupations. It entitles pupils to attend Fachoberschulen (cf. p. 25), specialized grammar schools or grammar schools with classes 11–13 only.

Grammar Schools ("Gymnasien")

are secondary schools which accept pupils who have completed primary school or class 6 of secondary general school. As a rule, pupils attend grammar school for nine years (classes 5 to 13) or seven years (classes 7 to 13). There are also extension grammar schools as a rule open to pupils with a final certificate from intermediate schools. The final certificate awarded by grammar schools gives entitlement to studies at institutions of higher education

Comprehensive Schools ("Gesamtschulen")

are schools in which the different types of school are combined in various organizational and curricular forms. Here only integrated comprehensive schools, in which pupils are not assigned to streams shaped after the traditional types of school, are shown separately as from 1971. They also include the independent Waldorf schools. Data on cooperative comprehensive schools, in which the various types of school continue to exist side by side on common premises have – as far as possible – been included in the figures for the different types of school.

Special Schools ("Sonderschulen")

are full-time compulsory schools which provide special care and tuition for physically, mentally or emotionally disadvantaged children or children at risk who cannot adequately be taught in normal schools. They include intermediate and grammar schools for such children.

Vocational Schools**Part-time Vocational Schools ("Berufsschulen")**

aim at enhancing pupils' general knowledge and providing them with the basic theoretical knowledge necessary for the exercise of an occupation. In general, these schools have to be attended – after completion of nine or ten years of compulsory full-time schooling – by young people under eighteen who are undergoing initial vocational training on the basis of a training contract or who are otherwise employed.

These schools include institutions for children with special needs which provide vocational training for physically, mentally or emotionally disadvantaged adolescents and for young people at risk.

Pre-vocational and Basic Vocational Training Year ("Berufsvorbereitungsjahr/Berufsgrundbildungsjahr")

refer to a vocational education mostly in the form of full-time schooling, which provides basic general knowledge and basic vocational training relating to one occupational area.

Vocational Extension Schools ("Berufsaufbauschulen")

are attended by young people who are undergoing or have completed vocational training or who are or have been employed. On successful completion, pupils earn a certificate equivalent to the intermediate school certificate.

Definitions (cont.)**Full-time Vocational Schools ("Berufsfachschulen")**

offer courses of a duration of at least one year. In general attendance is voluntary. These schools can be entered after completion of compulsory full-time schooling. They prepare for an occupation or provide full vocational training for pupils who have so far not completed a practical vocational training. These schools award a certificate to pupils who have passed their final examination. Students who have completed a 2-year course qualify for entrance to Fachschule (cf. definition below)

"Fachoberschulen"

require the intermediate school certificate or a recognized equivalent. Depending on previous vocational training, full-time attendance is for at least one year and part-time attendance for up to three years. Successful completion entitles leavers to take up studies at a „Fachhochschule“ (see definition on page 64)

Specialized Grammar Schools ("Fachgymnasien")

are grammar schools oriented towards occupations. Admission requires an intermediate school certificate or equivalent. Attendance is for three years (classes 11 to 13), and the final certificate entitles leavers to take up studies at institutions of higher education

Trade and Technical Schools ("Fachschulen")

are normally attended after completion of vocational training in the dual system or, in some cases, after several years of practical work experience. They are not compulsory. Admission is also possible on proof of ability. These schools provide further training in a wide range of occupations (e.g. for a master's or technician's qualification). Full-time attendance is for between six months and three years and part-time attendance, normally for six to eight half-year periods.

General Education and Vocational Schools**Teachers**

Full-time teachers are persons teaching in schools and occupying an established post either as civil servants (Beamte) or as employees (Angestellte).

They normally teach the full teaching load which can, however, be reduced by up to 50 per cent according to the regulations applicable in the Land concerned (full-time and part-time teachers). Teachers without established posts take less than 50 per cent of the regular teaching load of a full-time teacher. They are also known as teachers employed by the hour.

Data on teachers (Source: Standing Conference of the Laender Ministers of Education and Cultural Affairs) are based on a fictitious number of full-time teachers calculated on the basis of the standard number of teaching hours. Numbers of hours taught by part-time teachers and numbers of hours taught by full-time teachers in addition to their regular teaching load are added and the sum is divided by the standard number of teaching hours at the respective type or level of school.

	Contents	
Pupils	according to Level and Type of School	28 to 31
	Girls	32 to 35
	according to Type of School and Laender	36 to 37
Vocational Schools	according to Occupational Status of Pupils and Laender	38
	Pupils as Percentage of the Population of the Same Age	39
Foreign Pupils	according to Type of School and Laender	40 to 41
	according to Type of School and Nationality	42 to 43
Per Teacher	according to Type of School and Laender	48 to 51
School-leavers	according to Type of Qualification obtained	44 to 45
	Percentage of Girls	46 to 47
Teachers	according to Type of School and Laender	48 to 51

Pupils in General Education Schools according to Level and Type of School (Thousands)

Year	Pupils at						
	Pre-school Level		Primary Level (Classes 1 to 4)		Secondary Level I		
	Pre-school Classes	School- kindergartens	Primary Schools	Integrated Compreh- ensive Schools/ Free Wal- dorf Schools	Orientation Stage In- dependent of School Type	Sec- ondary General Schools	Inter- mediate Schools

Actual Figures							
1960	•	•	3096.9	•	•	2122.4	430.7
1965	•	10.9	3453.2	•	•	2112.5	570.9
1970	•	31.8	3972.5	•	•	2374.9	863.5
1975	•	84.2	3914.7	14.8	•	2510.4	1179.9
1980	13.0	49.2	2772.8	13.1	337.9	1933.7	1351.1
1981	13.8	46.9	2589.9	13.6	332.3	1853.0	1323.4
1982	14.4	45.4	2439.4	14.2	313.6	1748.0	1278.1
1983	14.6	44.1	2350.9	15.3	283.2	1611.7	1214.4
1984	14.5	43.7	2290.4	16.1	254.1	1460.3	1132.2
1985	15.3	44.8	2254.6	17.0	239.9	1332.5	1049.0
1986	25.5	36.8	2269.0	18.6	224.9	1227.9	975.5
1987	33.4	32.6	2304.0	20.0	222.9	1133.8	915.3
1988	32.9	33.6	2367.1	20.9	213.6	1075.8	875.2
1989	33.0	34.6	2448.2	25.5	210.1	1044.3	857.8

Forecast (Estimate by the Standing Conference of Ministers of Education of the
Laender; KMK Documentation 99)

1989	33.0	31.8	2382.3	23.7	209.6	1023.6	849.7
1990	32.6	31.2	2381.1	23.7	207.2	1006.9	843.7
1991	33.0	31.0	2359.3	23.7	211.6	1004.0	843.5
1992	34.0	31.6	2351.8	23.6	214.3	1009.4	850.7
1993	34.4	32.2	2370.1	23.7	212.0	1018.1	858.0
1994	34.9	32.6	2411.6	23.7	206.5	1025.0	867.8
1995	35.1	32.8	2458.3	23.9	202.9	1027.0	876.8
1996	35.2	32.7	2496.3	24.0	204.9	1027.3	879.7
1997	35.3	32.7	2517.7	24.1	210.4	1029.8	878.8
1998	34.9	32.6	2526.0	24.2	215.0	1037.4	880.6
1999	34.7	32.3	2523.0	24.2	218.1	1052.7	887.4
2000	34.3	32.8	2505.6	24.2	220.4	1070.8	900.5
2005	31.5	28.3	2230.9	23.4	214.8	1083.0	925.7
2010	29.2	25.0	1881.9	22.1	186.0	960.6	833.8

1) Classes 5 to 10

Pupils in General Education Schools according to Level and Type of School (Thousands) (cont.)

Pupils at							Year
Secondary Level I		Secondary Level II			Special Schools		
Even- ing Classes at Sec- ondary General School Level	Even- ing Classes at Inter- mediate School Level	Grammar Schools Classes 5 to 10	Classes 11 to 13	Integra- ted Com- prehen- sive Schools/ Free Wal- dorf Schools ²⁾	Even- ing Grammar Schools and Full-time Adult Educa- tion Colleges	Classes for Children with Learn- ing Diffi- culties	Classes for Children with Other Handi- caps

										Actual Figures		
—	1.9	641.7	211.7	●			108.5	34.4	1960			
—	4.1	760.7	197.2			10.7	161.4	30.9	1965			
—	8.8	1062.1	317.4	●		15.4	264.6	57.4	1970			
—	11.5	1394.5	469.0	7.2		23.3	314.4	88.6	1975			
—	8.9	1495.5	623.5	18.2		26.3	244.2	110.1	1980			
—	9.4	1448.1	658.3	20.9		27.7	226.3	110.7	1981			
—	9.3	1378.3	672.1	22.2		27.9	209.6	109.7	1982			
—	9.2	1289.1	671.7	23.3		27.7	193.1	108.8	1983			
0.7	9.1	1193.4	659.3	23.0		28.0	178.0	106.6	1984			
0.7	9.1	1110.2	640.1	23.1		28.0	163.6	107.8	1985			
0.6	9.8	1047.1	608.7	25.6		28.7	152.9	108.5	1986			
0.7	10.9	1015.8	580.3	26.1		29.8	143.3	110.8	1987			
0.7	12.8	1011.1	551.9	25.1		31.1	136.6	111.3	1988			
0.7	10.7	1022.7	523.9	27.7		29.7	131.6	114.6	1989			

Forecast (Estimate by the Standing Conference of Ministers of Education of the
Laender; KMK Documentation 99)

0.8	11.6	1001.4	507.7	27.2	31.1	137.8	110.7	1989
0.8	11.6	1012.5	472.0	27.5	31.0	137.4	110.7	1990
0.8	11.5	1028.6	449.2	27.9	30.9	138.2	110.8	1991
0.8	11.4	1045.2	442.3	29.2	30.8	138.8	111.7	1992
0.8	11.4	1054.6	445.6	31.7	30.7	140.1	113.9	1993
0.8	11.3	1061.1	447.9	35.1	30.5	141.6	115.4	1994
0.8	11.3	1069.5	447.6	38.2	30.3	144.3	116.8	1995
0.8	11.3	1073.2	452.0	41.0	29.9	145.3	118.7	1996
0.8	11.2	1076.6	462.2	42.6	29.9	145.8	119.1	1997
0.8	11.2	1081.3	475.7	43.6	29.9	146.0	119.5	1998
0.8	11.2	1091.2	478.9	43.8	29.9	147.5	119.6	1999
0.8	11.2	1106.6	473.8	43.4	29.8	147.9	119.2	2000
0.8	11.1	1126.3	495.9	45.6	29.5	141.9	115.2	2005
0.8	11.0	1005.8	497.4	45.7	29.4	123.5	101.9	2010

2) Classes 11 to 13

Pupils in Vocational Schools according to Level and Type of School (Thousands)

Year	Pupils at						
	Secondary Level II						
	Voca- tional Schools	Pre-voca- tional Training Year	Basic Vocational Training Year		Vocational Extension Schools	Voca- tional Schools (Berufs- fach- schulen)	Berufs- ober- schulen/ Technische Ober- schulen ¹⁾
	part-time	full-time		part-time	full-time	part-time	full-time
	Number						
1960	1661.9	—	—	—	—	125.7	—
1965	1780.0	—	—	11.4	41.6	148.5	—
1970	1599.4	—	0.5	13.4	27.0	182.7	0.9
1975	1607.3	6.9	22.7	14.1	13.7	270.8	2.7
1980	1847.5	41.7	66.1	14.4	16.1	325.6	4.0
1981	1808.3	41.9	80.0	16.6	18.7	334.3	4.7
1982	1771.7	41.6	86.1	17.3	17.6	356.3	4.7
1983	1792.0	44.3	88.4	18.8	13.4	356.7	4.4
1984	1858.3	40.6	87.1	17.9	10.2	347.2	4.0
1985	1893.3	36.0	80.1	15.5	8.3	339.7	3.6
1986	1857.2	27.8	68.9	18.2	6.8	318.7	3.9
1987	1773.1	25.3	58.8	28.2	8.9	301.8	4.6
1988	1674.2	24.8	50.1	37.2	7.9	285.3	5.7
1989	1556.2	23.9	41.3	39.7	7.5	263.0	6.0

Forecast (Estimate by the Standing Conference of Ministers of Education of the Laender KMK; Documentation 99)

1988	1677.5	24.2	53.4	44.6	8.3	0.7	280.6	5.7
1989	1567.4	22.5	47.6	46.1	8.1	0.7	257.5	6.4
1990	1494.1	21.1	44.6	47.0	7.4	0.7	237.8	6.1
1991	1408.0	20.4	43.1	48.6	6.5	0.7	225.5	5.6
1992	1344.4	20.0	42.1	50.8	6.1	0.6	216.2	5.2
1993	1293.0	19.6	41.0	50.6	5.9	0.6	209.7	4.9
1994	1289.4	19.2	40.3	50.5	5.8	0.5	205.5	4.5
1995	1241.2	19.3	40.5	52.3	5.8	0.5	203.8	4.4
1996	1247.5	19.6	40.9	53.5	5.7	0.5	208.0	4.4
1997	1266.8	19.8	41.5	54.5	5.6	0.5	210.8	4.3
1998	1284.4	19.6	41.5	54.3	5.8	0.5	212.4	4.3
1999	1289.2	19.2	40.8	53.8	5.9	0.5	211.4	4.3
2000	1283.1	19.0	40.3	53.5	6.0	0.5	208.8	4.4
2005	1332.5	19.8	42.8	56.9	5.9	0.5	220.9	4.6
2010	1353.5	19.4	41.6	55.6	6.1	0.5	217.0	4.9

¹⁾ Two-year full-time vocational schools awarding subject-restricted higher education entrance qualification

Pupils in Vocational Schools according to Level and Type of School (Thousands) (cont.)

Pupils at							Year
Secondary Level II							Schools for Nurses, Midwives etc. ²⁾
Fachober- schulen		Speciali- zed Gram- mar Schools	Trade and Technical Schools		Special- ized/ Vocational Acade- mies	Kollegschule ¹⁾ (only in North- Rhine West- phalia)	
full-time	part-time	full-time	part-time		full-time	part-time	full-time
							Number
	—	—	101.8		—	—	40.0
	—	—	103.9		—	—	42.0
	50.3	8.1	130.6		—	—	61.4
	90.1	28.7	100.8	6.3	9.6	—	88.5
55.5	23.8	54.5	73.6	11.3	10.1	8.3	18.2
62.9	27.0	60.7	78.7	13.4	10.5	11.2	25.2
68.6	26.3	64.0	78.2	13.5	11.3	12.5	28.2
63.4	23.1	63.3	73.9	14.1	11.4	13.4	34.3
55.9	22.1	62.0	71.3	16.0	11.5	13.6	37.9
50.5	24.2	61.1	70.5	20.2	11.5	13.1	39.3
51.3	24.2	61.6	70.2	20.4	11.2	13.5	45.4
54.3	24.8	62.1	74.3	23.4	10.5	13.2	44.4
56.1	25.8	62.9	79.3	25.9	9.8	12.7	42.7
55.5	22.2	63.0	79.7	32.2	8.1	12.9	47.6

Forecast (Estimate by the Standing Conference of Ministers of Education of the Laender KMK; Documentation 99)

1988	53.7	22.0	60.0	72.8	23.5	8.6	12.3	42.7	107.9
1989	50.7	20.3	57.5	71.4	23.2	8.6	11.2	40.1	106.0
1990	47.1	19.0	53.9	70.0	23.0	8.6	10.2	40.6	104.3
1991	44.4	18.0	50.3	68.6	22.5	8.6	9.5	38.0	102.1
1992	41.8	17.3	47.9	67.1	22.2	8.6	11.5	35.4	100.1
1993	39.9	16.8	45.9	65.2	21.9	8.6	10.8	33.1	97.6
1994	38.7	16.5	45.3	63.9	21.5	8.6	10.2	31.2	95.7
1995	37.7	16.1	44.9	62.4	21.2	8.6	10.0	30.1	93.7
1996	37.4	16.3	44.7	61.2	20.8	8.5	10.0	29.7	91.9
1997	37.9	16.9	45.7	60.2	20.6	8.5	10.2	29.7	90.6
1998	38.0	17.1	46.8	59.1	20.4	8.5	10.3	30.0	89.1
1999	38.6	17.0	46.8	58.5	20.3	8.5	10.2	30.3	88.3
2000	38.2	16.8	46.7	58.0	20.2	8.5	10.2	30.4	87.7
2005	39.0	17.7	48.6	57.3	19.9	8.5	11.0	31.8	86.5
2010	39.0	17.7	49.3	57.7	19.6	8.5	10.7	32.8	86.7

¹⁾ Schools offering general as well as vocational education

²⁾ Not falling within the responsibility of the Ministers of Education

Girls in General Education Schools according to Level and Type of School

Year	Girls at/in							
	Pre-school Level		Primary Level (Classes 1 to 4)		Secondary Level I			
	Pre-school Classes	School- kindergartens	Primary Schools	Integrated Compre- hensive Schools/ Free Waldorf Schools	Orien- tation Stage Inde- pendent of School Type	Secun- dary General Schools	Inter- mediate Schools	Orien- tation Stage-in- dependent of School Type ¹⁾

Thousands

1960	•	•	1508.2	•	•	1065.1	223.9	•
1965	•	4.7	1681.6	•	•	1055.8	294.0	•
1970	•	13.9	1946.4	•	•	1166.5	456.8	•
1975	•	37.3	1913.6	7.3	•	1193.4	620.0	69.3
1980	6.3	20.9	1354.2	6.7	164.3	887.2	724.5	90.8
1981	6.7	20.0	1264.2	6.9	161.5	841.9	709.3	91.3
1982	6.9	19.2	1190.5	7.2	148.7	795.4	683.3	90.2
1983	7.0	18.5	1149.5	7.7	137.8	728.7	648.0	88.5
1984	6.8	18.2	1119.8	8.1	124.0	661.7	603.5	86.0
1985	7.1	18.8	1102.9	8.5	117.1	605.6	556.5	83.9
1986	12.2	14.7	1110.9	9.3	110.5	559.4	516.5	91.5
1987	15.8	12.6	1128.4	10.0	109.3	516.1	482.9	93.3
1988	15.6	12.8	1159.9	10.6	104.2	489.2	459.8	97.7
1989	15.7	13.1	1200.4	12.9	102.1	473.5	449.0	103.1

Per Cent³⁾

1960	•	•	48.7	•	•	50.2	52.0	•
1965	•	42.8	48.7	•	•	50.0	51.5	•
1970	•	43.6	49.0	•	•	49.1	52.9	•
1975	•	44.4	48.9	49.3	•	47.5	52.5	48.2
1980	48.3	42.5	48.8	51.1	48.6	45.9	53.6	48.1
1981	48.1	42.6	48.8	50.7	48.7	45.4	53.6	47.8
1982	47.8	42.4	48.6	50.7	48.1	45.6	53.5	47.5
1983	48.3	42.0	48.9	50.3	48.7	45.2	53.4	47.3
1984	47.3	41.7	48.9	50.3	48.8	45.3	53.3	47.1
1985	46.6	42.0	48.9	50.0	48.8	45.5	53.1	47.1
1986	47.8	40.1	49.0	50.0	49.0	45.6	52.9	47.0
1987	47.3	38.7	49.0	50.4	49.0	45.5	52.8	47.1
1988	47.3	38.1	49.0	50.9	48.8	45.5	52.5	47.1
1989	47.5	38.0	49.0	50.6	48.6	45.3	52.3	47.1

¹⁾ Classes 5 to 10. — ²⁾ Classes 11 to 13

Girls in General Education Schools according to Level and Type of School (cont.)

Girls at/in (Cont.)								Year
Secondary Level I		Secondary Level II		Special Schools				
Even- ing Classes at Secun- dary General- School Level	Even- ing Classes at Inter- mediate School Level	Grammar Schools Classes 5 to 10	Classes 11 to 13	Orien- tation Stage-in- dependent of School Type ²⁾	Even- ing Grammar Schools and Full-time Adult Educa- tion Colleges	Classes for Children with Learning Difficulties	Classes for Children with Other Handicaps	

Thousands

—	0.2	263.5	77.2	•	•	44.4	12.6	1960
—	0.9	320.8	74.5	•	1.9	66.4	11.2	1965
—	2.5	474.7	131.5	•	3.8	107.7	22.1	1970
—	4.8	675.5	217.6	3.4	10.9	123.6	33.7	1975
—	3.9	754.0	308.0	8.8	13.6	98.4	41.1	1980
—	4.2	734.3	327.6	10.1	14.7	90.7	41.3	1981
—	4.2	701.5	336.3	10.8	14.9	83.9	40.7	1982
—	4.1	657.6	336.6	11.4	14.4	77.4	40.3	1983
0.4	4.1	608.7	329.8	11.3	14.3	70.9	39.8	1984
0.4	4.1	565.0	319.3	11.3	14.2	65.4	40.0	1985
0.3	4.3	532.8	302.2	12.5	14.9	61.1	40.1	1986
0.3	5.0	516.5	289.0	12.6	15.6	57.3	40.8	1987
0.4	6.1	515.0	276.3	11.9	16.6	54.4	40.6	1988
0.3	4.7	523.1	264.8	13.3	15.7	52.3	41.5	1989

Per Cent³⁾

•	10.5	41.1	36.5	•	•	40.9	36.6	1960
•	22.0	42.2	37.8	•	17.8	41.1	36.2	1965
•	28.4	44.7	41.4	•	24.7	40.7	38.5	1970
•	41.4	48.5	46.4	47.2	46.8	39.3	38.0	1975
•	44.0	50.4	49.4	48.4	51.7	40.3	37.3	1980
•	44.3	50.7	49.8	48.3	53.1	40.1	37.3	1981
•	45.2	50.9	50.0	48.6	53.4	40.0	37.1	1982
•	44.3	51.0	50.1	48.9	52.0	40.1	37.0	1983
52.4	44.7	51.0	50.0	49.1	51.1	39.8	37.3	1984
52.2	44.6	50.9	49.9	48.9	50.7	40.0	37.1	1985
47.2	43.8	50.9	49.7	48.7	51.8	40.0	36.9	1986
48.4	45.4	50.8	49.8	48.2	52.5	40.0	36.8	1987
51.1	47.3	50.9	50.1	47.6	53.3	39.8	36.5	1988
46.6	44.1	51.1	50.5	48.0	52.9	39.7	36.2	1989

³⁾ Percentage of Girls of the Total Number of Pupils

Girls in Vocational Schools according to Level and Type of School

Year	Girls at/in							
	Secondary Level II							
	Vocational Schools	Pre-vocational Training Year	Basic Vocational Training Year	Vocational Extension Schools	Vocational Schools (Berufsfachschulen)	Berufsober-schulen/Technische Ober-schulen ¹⁾		
	part-time	full-time		part-time	full-time	part-time	full-time	
Thousands								
1960	732.3	—	—	—	—	88.5	•	
1965	784.9	—	—	2.9	2.7	96.5	•	
1970	670.6	•	0.3	4.4	3.1	112.6	0.0	
1975	644.8	3.6	9.7	4.0	2.5	182.4	0.7	
1980	744.8	18.4	21.9	1.3	5.6	1.0	223.7	1.1
1981	730.0	18.7	26.9	1.3	6.0	0.7	229.2	1.4
1982	719.2	18.4	29.5	1.3	5.6	0.5	245.9	1.3
1983	731.5	20.2	31.6	1.3	4.3	0.3	249.8	1.1
1984	768.8	18.3	31.9	1.3	3.6	0.3	243.8	1.0
1985	795.3	16.4	29.9	1.2	2.9	0.2	236.3	1.0
1986	792.5	12.5	26.3	5.3	1.9	0.2	219.4	1.1
1987	768.7	11.0	22.9	7.1	2.8	0.1	204.2	1.4
1988	739.8	10.5	18.9	10.3	2.5	0.1	189.2	1.7
1989	688.2	10.0	16.2	12.0	2.3	0.1	170.8	1.8
Per Cent ²⁾								
1960	44.1	—	—	—	—	70.4	•	
1965	44.1	—	—	25.4	6.5	65.0	•	
1970	41.9	•	60.0	32.8	11.5	61.6	0.0	
1975	40.1	52.2	42.7	28.4	18.3	67.4	25.9	
1980	40.3	44.1	33.1	9.0	34.8	17.5	68.7	27.5
1981	40.4	44.6	33.6	7.8	32.1	17.1	68.6	29.8
1982	40.6	44.2	34.3	7.5	31.8	15.2	69.0	27.7
1983	40.8	45.6	35.8	6.9	32.1	13.0	70.0	25.0
1984	41.4	45.1	36.6	7.3	35.3	15.8	70.2	25.0
1985	42.0	45.6	37.3	7.7	34.9	12.5	69.6	27.8
1986	42.7	45.0	38.2	29.1	27.9	14.3	68.8	28.2
1987	43.4	43.5	38.9	25.2	31.4	15.2	67.7	29.9
1988	44.2	42.3	37.8	27.7	31.3	16.7	66.3	30.0
1989	44.2	41.9	38.2	30.1	30.8	18.7	65.0	30.9

¹⁾ Two-year full-time vocational schools awarding subject-restricted higher education entrance qualification

²⁾ Percentage of Girls of the Total Number of Pupils

Girls in Vocational Schools according to Level and Type of School (cont.)

Girls at/in (cont.)	Year							
	Secondary Level II							
Fachober-schulen	Specia-lized Gram-mar Schools	Trade and Technical Schools	Specia-lized Vocational Academies	Kollegschule (only in North-Rhine West-phalia)	Schools for Nurses, Midwives etc. ³⁾			
full-time	part-time	full-time	part-time	full-time	part-time	full-time		
Thousands								
—	—	25.8	—	—	—	40.0		1960
—	—	31.3	—	—	—	42.0		1965
9.2	2.7	46.2	—	—	—	54.2		1970
23.7	11.3	34.6	2.2	8.3	—	73.8		1975
16.5	9.5	2.7	29.2	4.3	8.3	4.4	5.4	83.1
18.8	11.2	25.5	30.0	5.0	8.6	5.8	8.2	87.0
19.8	10.7	27.0	29.6	4.7	9.3	6.6	9.1	89.6
18.0	9.7	26.5	29.1	4.4	9.4	7.0	11.2	91.4
16.5	9.1	25.8	29.3	4.5	9.5	7.6	13.6	93.8
15.2	9.5	25.2	28.7	6.2	9.5	7.1	14.5	96.5
15.3	8.9	25.0	26.7	4.7	9.2	7.3	16.1	96.2
15.3	9.0	25.1	27.8	4.9	8.5	7.1	16.3	94.5
16.1	9.6	25.8	28.4	5.3	7.8	6.5	15.9	92.0
16.5	8.8	26.2	26.2	8.2	6.1	6.3	16.4	92.0
Per Cent ²⁾								
—	—	25.3	—	—	—	100.0		1960
—	—	30.1	—	—	—	100.0		1965
18.3	33.3	35.4	—	—	—	88.3		1970
26.3	39.4	34.3	34.9	86.5	—	83.4		1975
29.7	39.9	41.7	39.7	38.1	82.2	53.0	29.7	85.9
29.9	41.5	42.0	38.1	37.3	81.9	51.8	32.5	86.1
28.9	40.7	42.2	37.9	34.8	82.3	52.8	32.3	86.0
28.4	42.0	41.9	39.4	31.2	82.5	52.2	32.7	86.1
29.5	41.2	41.6	41.1	28.1	82.6	55.9	35.9	86.2
30.1	39.3	41.2	40.7	10.3	82.6	54.2	36.9	86.4
29.8	36.8	40.6	38.0	23.0	82.1	54.1	35.5	86.5
28.2	36.5	40.5	37.4	21.0	80.7	53.5	36.6	86.4
28.8	37.2	41.0	35.8	20.5	79.5	51.4	37.3	85.9
29.7	39.5	41.7	32.9	26.4	74.9	48.5	34.4	85.9

³⁾ Not falling within the responsibility of the Ministers of Education

2 Schools

Pupils in Classes 7 to 9 according to Type of School and Laender as Percentage

Year	Federal Republic	Baden-Wuerttemberg	Bavaria	Hesse	Lower Saxony	North-Rhine-Westphalia
Secondary General Schools						
1960	63.9	65.7	67.1	59.9	61.1	64.3
1965	60.6	60.1	58.3	58.3	66.5	59.5
1970	55.4	55.0	53.9	47.0	61.8	58.1
1975	45.8	46.4	53.0	29.2	44.3	49.4
1980	40.3	39.5	46.2	25.8	36.4	45.0
1985	38.2	38.8	44.1	23.4	36.6	40.8
1988	35.7	39.3	41.8	21.2	33.2	37.0
1989	34.8	38.9	40.9	20.6	32.5	35.2
Intermediate Schools						
1960	15.6	9.9	14.3	18.7	20.4	13.8
1965	18.0	13.8	21.4	20.3	18.5	17.0
1970	21.5	19.1	25.8	25.9	21.2	18.7
1975	24.4	24.8	24.2	25.3	28.2	21.1
1980	28.2	30.2	30.1	27.1	34.5	23.6
1985	29.3	31.6	30.5	29.8	36.0	25.3
1988	29.3	31.9	30.9	29.5	35.9	25.2
1989	29.1	31.7	31.0	29.2	35.4	25.1
Grammar Schools						
1960	20.5	24.4	18.6	21.4	18.5	21.9
1965	21.4	26.1	20.3	21.4	15.0	23.5
1970	23.1	25.9	20.3	27.1	17.0	23.2
1975	26.4	27.9	22.1	28.3	24.6	27.8
1980	27.5	28.5	23.2	30.2	26.5	28.4
1985	27.6	27.4	24.7	31.1	24.6	29.2
1988	29.6	28.1	26.9	33.7	28.1	30.9
1989	30.4	28.6	27.7	34.7	29.2	31.6
Integrated Comprehensive Schools						
1960	—	—	—	—	—	—
1965	—	—	—	—	—	—
1970	—	—	—	—	—	—
1975	3.4	0.9	0.7	17.2	2.9	1.7
1980	4.0	1.8	0.5	16.8	2.6	3.0
1985	4.9	2.2	0.6	15.7	2.9	4.7
1988	5.4	0.8	0.4	15.5	2.8	6.9
1989	5.7	0.8	0.4	15.6	2.9	8.1

Schools

Pupils in Classes 7 to 9 according to Type of School and Laender as Percentage (cont.)

Rhineland-Palatinate	Saarland	Schleswig-Holstein	Berlin (West)	Bremen	Hamburg	Year
Secondary General Schools						
73.1	77.2	56.9	45.8	57.7	63.9	1960
68.0	72.0	57.0	45.5	54.7	61.0	1965
62.7	65.0	41.0	36.5	43.8	38.5	1970
55.8	49.7	38.1	25.2	24.1	28.1	1975
51.8	46.7	38.3	17.2	21.8	23.6	1980
47.6	44.9	38.3	15.8	26.1	19.4	1985
45.4	38.9	35.9	14.3	25.8	19.4	1988
44.6	34.8	35.2	14.3	25.5	18.7	1989
Intermediate Schools						
5.3	5.7	27.3	30.5	24.1	19.2	1960
7.1	6.6	26.9	28.3	25.2	20.1	1965
12.6	11.4	33.9	27.7	28.5	30.6	1970
18.2	20.9	35.6	23.7	28.8	32.2	1975
21.3	25.8	35.6	23.4	33.6	32.7	1980
23.3	25.0	35.0	22.6	34.0	26.5	1985
23.5	25.8	34.8	21.1	32.1	26.5	1988
23.5	26.1	34.5	21.4	31.7	25.6	1989
Grammar Schools						
21.6	17.1	15.8	23.7	18.2	16.9	1960
24.9	21.4	16.1	26.2	20.1	18.9	1965
24.7	23.6	25.1	35.8	27.7	30.9	1970
25.9	28.0	25.3	32.0	33.4	33.2	1975
26.2	25.4	25.0	34.2	35.3	36.2	1980
27.7	26.5	25.2	33.4	30.1	34.7	1985
29.6	29.0	28.1	36.4	32.1	34.7	1988
30.2	30.1	29.1	37.1	32.2	36.8	1989
Integrated Comprehensive Schools						
—	—	—	—	—	—	1960
—	—	—	—	—	—	1965
—	—	—	—	—	—	1970
0.1	1.4	1.0	19.1	13.7	6.5	1975
0.7	2.1	1.1	25.2	9.3	7.5	1980
1.4	3.6	1.5	28.2	9.8	19.4	1985
1.5	6.3	1.2	28.1	10.0	19.4	1988
1.7	8.9	1.3	27.3	10.6	18.9	1989

Pupils in Vocational Schools according to Occupational Status and Laender (Thousands)

Year Land	Pupils in Vocational Schools							
	Total				of which			
					without Training Contract ²⁾			
					with Training Contract ¹⁾			
	Total	Female	Total	Female	Total	Female	Total	Female
Federal Republic								
1960	1661.9	732.3	1340.9	508.9	321.0	223.4	23.5	20.1
1965	1780.0	784.9	1450.2	552.4	329.8	232.5	18.2	14.6
1970	1599.8	670.8	1362.4	509.7	237.4	161.1	19.2	13.0
1975	1607.5	645.0	1366.6	500.5	240.9	144.5	72.1	36.9
1976	1585.1	633.3	1352.7	494.3	232.4	139.0	68.8	37.5
1977	1643.0	654.8	1435.2	532.1	207.7	122.7	63.4	35.9
1978	1731.2	700.1	1541.9	587.2	189.4	112.9	60.5	34.5
1979	1820.3	733.2	1659.5	639.7	160.8	93.5	52.2	29.0
1980	1857.1	745.8	1712.9	668.4	144.2	77.3	52.9	25.2
1981	1824.1	731.3	1691.4	663.7	132.7	67.6	62.7	28.6
1982	1788.9	720.5	1675.7	661.7	113.2	58.8	61.2	29.4
1983	1810.7	732.9	1710.3	679.3	100.5	53.6	58.0	29.4
1984	1876.2	770.1	1785.1	721.3	91.1	48.8	53.6	27.2
1985	1908.8	796.5	1820.7	748.6	88.1	47.9	50.7	26.0
1986	1876.3	797.8	1796.3	753.9	80.3	43.9	45.8	23.5
1987	1773.1	768.7	1704.6	731.8	68.5	36.9	40.4	20.2
1988	1674.2	9739.8	1616.0	709.4	58.2	30.3	34.1	16.3
1989	1556.2	688.2	1505.5	662.3	51.2	25.9	28.4	13.2
Laender 1989								
BW	241.4	107.7	237.3	105.6	4.2	2.1	2.5	1.1
BA	266.6	119.1	254.6	112.6	12.0	6.5	6.9	3.4
HE	138.4	61.1	130.8	56.7	7.6	4.4	4.3	2.1
NS	200.0	87.6	198.0	26.7	2.0	0.9	1.9	0.8
NW	416.4	185.0	399.2	176.8	17.1	8.2	6.4	2.9
RP	87.3	38.0	85.7	37.0	1.6	0.9	0.9	0.5
SL	25.4	11.2	25.0	11.1	0.4	0.1	0.0	0.0
SH	73.9	32.6	70.7	31.2	3.2	1.3	2.9	1.2
BE	36.5	15.0	35.6	14.6	0.9	0.4	0.9	0.4
BR	27.2	12.0	26.3	11.4	1.0	0.6	0.4	0.3
HA	43.2	19.2	41.9	18.6	1.3	0.5	1.3	0.5

¹⁾ Figures in chapter 3 indicating numbers of apprentices are lower for statistical reasons.

²⁾ For example: young employees, family members helping in business, unskilled workers

Pupils in Vocational Schools according to Occupational Status and Laender in Percentage of the Population of the Same Age

Year Land	Pupils in Vocational Schools							
	Total				of which			
					without Training Contract ²⁾			
					with Training Contract ¹⁾			
	Total	Female	Total	Female	Total	Female	Total	Female
in per cent of the Population of the Same Age ³⁾								
Federal Republic								
1960	71.3	64.2	57.5	44.6	13.8	19.6	1.0	1.8
1965	77.1	70.1	62.8	49.3	14.3	20.8	0.8	1.3
1970	66.3	57.0	56.5	43.3	9.8	13.7	0.8	1.1
1975	58.6	48.4	49.9	37.6	8.8	10.8	2.6	2.8
1976	56.1	46.1	47.9	36.0	8.2	10.1	2.4	2.7
1977	56.1	45.9	49.0	37.3	7.1	8.6	2.2	2.5
1978	57.7	47.9	51.4	40.2	6.3	7.7	2.0	2.4
1979	58.8	48.7	53.6	42.5	5.2	6.2	1.7	1.9
1980	58.2	48.3	53.7	43.3	4.5	5.0	1.7	1.6
1981	56.5	46.8	52.3	42.5	4.1	4.3	1.9	1.8
1982	55.7	46.3	52.2	42.6	3.5	3.8	1.9	1.9
1983	57.8	48.1	54.6	44.6	3.2	3.5	1.9	1.9
1984	61.5	49.2	58.5	46.1	3.0	3.2	1.8	1.8
1985	65.6	56.2	62.5	52.8	3.0	3.4	1.8	1.9
1986	69.1	60.4	66.2	57.0	3.0	3.3	1.7	1.8
1987	70.7	62.9	67.9	59.9	2.7	3.0	1.6	1.7
1988	73.3	66.4	70.7	63.7	2.6	2.7	1.5	1.5
1989	73.8	67.0	71.4	64.5	2.4	2.5	1.4	1.3
Laender 1989								
BW	72.2	66.2	71.0	64.9	1.3	1.3	0.8	0.7
BA	70.0	64.2	66.9	60.7	3.2	3.5	1.8	1.8
HE	75.2	68.4	71.0	63.5	4.1	4.9	2.3	2.4
NS	75.3	67.7	74.6	67.0	0.8	0.7	0.7	0.6
NW	72.6	66.3	69.6	63.4	3.0	2.9	1.1	1.0
RP	70.4	62.9	69.1	61.2	1.3	1.5	0.7	0.8
SL	77.1	69.3	75.9	68.6	1.2	0.6	0.0	0.0
SH	80.7	73.6	77.2	70.5	3.5	2.9	3.2	2.7
BE	64.7	55.1	63.1	53.6	1.6	1.5	1.6	1.5
BR	129.3	117.5	125.0	111.6	4.8	5.9	1.9	2.9
HA	95.7	87.3	92.8	84.6	2.9	2.3	2.9	2.3

¹⁾ As from 1987, excluding pupils in basic vocational training

²⁾ For example: young employees, family members helping in business, unskilled workers

³⁾ Population from 16 up to 19 years old

Foreign Pupils in General Education Schools according to Type of School and Laender (Thousands)

Year Land	Foreign Pupils									
	Total	of which								
		Pre-school Classes	School-kindergartens	Primary-Schools	Orienta-tion Stage Inde-pendent of School Type	Secundary General Schools	Inter-mediate Schools	Grammar Schools	Integrated Com-prehen-sive Schools/dary Free Education Waldorf Schools	Evening Schools and Sec-ondary Colleges

Federal Republic										
1960	•	•	•	•	•	•	•	•	•	•
1965	35.4	•	32.2	•	0.5	2.4	•	•	•	•
1970	159.9	0.8	137.7	•	4.8	12.5	•	0.2	3.9	•
1975	393.0	6.0	329.0	•	13.8	26.1	4.6	0.8	12.6	•
1980	645.9	10.8	526.6	•	29.0	40.1	10.5	1.2	27.7	•
1981	706.6	11.4	569.7	•	34.4	44.5	13.3	1.2	31.9	•
1982	731.6	10.8	579.2	•	39.5	48.4	16.0	1.5	36.1	•
1983	720.6	11.5	553.2	•	44.4	52.0	18.5	1.7	39.3	•
1984	674.3	10.8	500.1	•	47.2	54.8	20.4	1.8	39.1	•
1985	668.5	11.3	483.3	•	51.2	58.2	22.8	2.0	39.6	•
1986	684.3	12.1	485.6	•	55.6	59.7	28.1	2.5	40.7	•
1987	707.6	5.3	7.5	270.2	24.4	202.0	59.8	64.3	29.9	3.2
1988	737.2	5.3	7.3	281.7	23.5	205.7	63.9	69.9	34.4	3.7
1989	759.8	5.2	7.2	289.3	23.6	208.5	67.1	73.5	38.8	3.7

Laender 1989										
BW	151.4	—	1.4	59.7	0.1	49.4	15.3	12.4	1.3	0.4
BA	93.9	—	—	36.2	0.1	36.1	6.6	9.9	0.5	0.1
HE	81.8	0.4	1.2	31.9	7.0	10.8	9.2	10.0	7.1	0.4
NS	48.7	0.7	0.5	19.3	7.5	8.1	4.6	3.7	1.4	0.0
NW	259.0	—	3.4	96.2	—	78.7	21.0	24.7	18.2	2.0
RP	24.7	—	0.2	10.7	—	8.7	1.6	2.1	0.3	0.0
SL	6.7	—	0.1	2.9	—	1.9	0.6	0.6	0.4	0.0
SH	12.9	0.2	0.3	4.9	—	3.3	1.8	1.2	0.2	0.1
BE	45.2	2.2	—	15.9	7.2	4.8	3.0	4.5	5.4	0.5
BR	9.5	0.1	0.2	3.4	1.6	1.2	1.3	1.0	0.3	0.1
HA	26.1	1.6	0.0	8.5	0.1	5.3	2.2	3.4	3.7	0.1

Foreign Pupils in Vocational Schools according to Type of School and Laender (Thousands) (cont.)

Year Land	Foreign Pupils											
	Total	of which										
		Part-time Vocational Schools	Pre-vocational Basic Vocational Training Year	Vocational Extension Schools	Full-time Vocational Schools	Berufs-schulen (Berufs-Ober-schulen)	Fach-ober-schulen	Specia-lized Gram-mar Schools	Trade and Tech-nical Schools	Specia-lized Voca-tional Acad-emies	Kolleg-schule (only in North-Rhine-West-phalia) ²⁾	Schools for Nurses Mid-wives etc. ³⁾

Federal Republic												
1960	12.6	10.0	—	—	1.0	0.0	—	—	1.6	—	—	0.7
1965	18.2	15.0	—	0.2	1.2	0.0	—	—	1.8	—	—	0.9
1970	25.8	20.8	0.4	0.3	1.7	0.0	0.6	0.04	2.0	—	—	1.2
1975	58.4	47.3	0.7	0.4	5.9	0.01	1.5	0.2	2.3	0.1	—	1.5
1980	100.8	69.6	1.1	0.4	10.7	0.04	1.9	0.8	2.2	0.2	0.9	1.7
1981	121.4	82.2	1.7	0.4	13.2	0.05	2.5	1.0	2.6	0.2	2.3	1.9
1982	123.6	80.4	1.7	0.4	15.8	0.05	2.7	1.2	2.8	0.2	2.7	2.0
1983	119.3	77.0	1.7	0.3	15.5	0.06	2.5	1.4	2.4	0.2	3.0	2.0
1984	116.6	75.6	1.4	0.3	16.1	0.06	2.6	1.6	2.3	0.3	3.0	2.1
1985	120.0	78.3	1.3	0.3	17.3	0.05	2.7	1.8	2.3	0.3	3.1	2.2
1986	126.7	83.7	1.3	0.3	18.8	0.06	2.9	2.0	1.7	0.2	3.6	2.3
1987	137.8	90.6	1.4	0.4	20.9	0.1	3.2	2.2	1.7	0.2	4.0	2.6
1988	152.4	98.1	1.7	0.3	23.0	0.1	3.6	2.7	2.0	0.2	4.5	3.1
1989	169.9	109.6	1.9	0.4	24.7	0.1	3.8	3.3	2.3	0.2	6.1	3.7

Laender 1989												
BW	38.7	22.5	4.1	0.1	9.7	0.0	—	1.7	0.5	—	—	0.5
BA	26.4	19.0	4.4	0.2	1.2	0.1	1.0	—	0.4	0.2	—	0.4
HE	19.8	13.6	2.4	0.0	2.1	—	0.6	0.7	0.3	—	—	0.3
NS	10.2	5.9	2.1	0.0	1.6	—	0.2	0.2	0.1	—	—	0.3
NW	48.5	32.2	2.3	0.0	6.2	—	1.2	—	0.5	—	6.1	1.3
RP	6.0	3.7	1.1	0.0	0.9	—	0.1	0.1	0.1	—	—	0.1
SL	1.8	1.2	0.2	0.0	0.3	—	0.1	—	0.0	—	—	0.0
SH	2.6	1.9	0.1	0.0	0.4	—	0.0	0.1	0.1	0.0	—	0.1
BE	7.9	5.4	1.1	—	0.8	—	0.4	0.1	0.2	—	—	0.0
BR	2.2	1.4	0.3	0.0	0.4	—	0.1	—	0.0	—	—	0.0
HA	5.9	3.0	1.3	0.0	1.2	—	0.2	0.2	0.1	—	—	0.1

¹⁾ Two-year full-time school awarding subject- restricted higher education entrance qualification

²⁾ Secondary schools offering general as well as vocational education to pupils aged 16 to 19

³⁾ Not falling within the responsibility of the Ministers of Education

Foreign Pupils in General Education Schools in 1987 according to Type of School and Nationality

No	Country of Origin	Foreign Pupils										
		Total	of which									
			Pre-school Classes	School-kindergartens	Primary Schools	Secondary General Schools ¹⁾	Intermediate Schools	Grammar Schools	Integrated Comprehensive and Secondary Schools/dary	Evening Schools	Special Schools	
1	Europe	650437	3740	5992	242615	207577	59251	59297	32126	2234	37605	
2	EC Member of which	152353	420	1133	56449	46347	15119	17552	5808	577	8918	
3	Belgium	1444	4	7	428	217	135	509	49	16	79	
4	Denmark	819	16	9	247	999	139	264	37	5	7	
5	France	3410	16	8	1053	351	194	1466	199	47	76	
6	Greece	38002	111	198	13273	13058	3641	5054	1219	107	1341	
7	Great Britain ¹⁾	5208	40	15	1924	889	459	1366	300	40	175	
8	Ireland	187	—	1	89	20	16	47	8	1	5	
9	Italy	71862	123	756	29771	22938	5971	3928	2441	165	5769	
10	Luxembourg	140	—	—	31	20	16	58	8	1	6	
11	Netherlands	3872	14	11	1016	759	560	1143	192	39	138	
12	Portugal	11576	61	55	3677	3749	1552	1339	555	54	534	
13	Spain	15833	35	81	4940	4235	2474	2378	800	102	788	
14	Other Countries of which	498084	3320	4859	186166	161230	44102	41745	26318	1657	28687	
15	Yugoslavia	102706	374	559	34895	32771	13908	11973	3570	222	4434	
16	Austria	8205	10	3	1862	995	987	3766	331	89	162	
17	Switzerland	932	5	—	173	78	72	486	90	16	12	
18	Turkey	358436	2695	4054	137033	120939	27425	20422	21227	1015	23626	
19	Africa	27358	84	501	12306	7625	1676	1553	1632	258	1723	
20	America	8815	74	26	2864	1154	596	2790	1166	132	93	
21	Asia	45630	371	505	19217	9771	3099	8148	2320	935	1264	
22	Australia and Oceania	367	4	—	106	49	20	155	29	3	1	
23	All Countries ²⁾	759755	4792	7247	289707	232178	67110	73545	38755	3686	42735	
24	Per Cent ³⁾	11.3	14.5	21.0	11.8	18.6	7.8	4.8	14.2	9.0	17.4	

¹⁾ Including Northern Ireland²⁾ In per cent of all pupils of the respective type of school³⁾ Including orientation stage independent of school type

Foreign Pupils in Vocational Schools in 1988 according to Type of School and Nationality (cont.)

Foreign Pupils													No.
Total	of which											Schools for Nurses Midwives etc. ³⁾	
	Part-time Vocational Schools	Pre-vocational Basic Vocational Training Year	Vocational Extension Schools	Full-time Vocational Schools	Berufsoberschulen/Technische (Berufsfachschulen)	Fachoberschulen	Specialized Grammar Schools	Trade and Technical Schools	Specialized Vocational Academies/Vocational Academies	Kollegschulen (only in North Rhine Westphalia) ²⁾			
154893	101676	17193	325	22146	101	3089	2833	1807	193	5530	2390	1	
42233	28569	2981	85	6917	27	678	822	718	100	1336	770	2	
497	322	34	4	68	—	29	7	15	6	12	25	3	
160	114	3	—	20	—	5	7	7	2	2	10	4	
1210	765	64	1	225	1	24	38	53	24	15	50	5	
8809	5785	690	15	1543	6	143	167	84	9	367	150	6	
1337	852	71	3	197	—	40	43	40	9	82	35	7	
55	37	5	1	7	—	1	1	—	—	3	—	8	
18597	12949	1487	39	2834	15	212	287	247	33	494	160	9	
57	29	4	—	9	—	9	1	2	—	3	5	10	
2066	1400	93	—	303	—	65	44	76	—	85	100	11	
3604	2407	237	5	671	2	59	60	57	2	104	120	12	
5841	3909	293	17	1040	3	91	167	137	15	169	120	13	
112660	73107	14212	240	15229	74	2411	2011	1089	93	4194	1620	14	
24240	15958	2546	45	3888	17	414	610	169	22	571	260	15	
3928	2595	319	27	470	25	222	114	121	35	54	110	16	
462	260	13	2	76	1	10	31	60	—	9	30	17	
80113	52209	10813	153	10139	24	1649	1137	477	9	3503	870	18	
4137	2411	629	4	604	1	94	57	89	3	245	150	19	
2318	1356	194	10	416	3	62	89	128	28	32	60	20	
6584	3302	1002	20	1176	1	425	170	214	20	254	420	21	
84	47	8	—	15	1	5	2	2	2	2	2	22	
169931	109583	19456	369	24712	107	3828	3257	2280	247	6092	3060	23	
7.5	7.0	18.4	4.5	9.4	1.8	4.9	5.2	2.1	3.0	10.0	3.0	24	

¹⁾ Two-year full-time school awarding subject-restricted higher education entrance qualification²⁾ Secondary schools offering general as well as vocational education to pupils aged 16 to 19³⁾ Not falling within the responsibility of the Ministers of Education

School-leavers according to Type of Qualification obtained (Thousands)

Year	Leavers who have completed Compulsory Full-time Schooling			Leavers who have completed Compulsory Full-time Schooling and Vocational Schools with Secondary General School	Leavers with Intermediate School Certificate or Equivalent		
	Total				Total		
	of which				of which from		
	without Secondary Certificate	General School	with Secondary School		General Schools	Vocational Schools	
	Total	of which from Special Schools	Total				

Actual Figures							
1960	468.6	114.0 ¹⁾	18.0	354.6 ¹⁾	—	117.2	102.2
1965	563.2	134.6	27.4	422.8	—	131.8	93.8
1970	489.1	140.3	33.2	348.8	—	200.1	143.9
1975	461.6	114.6	42.6	347.1	—	318.0	231.8
1980	500.8	109.4	37.7	391.4	22.2	422.2	327.8
1981	454.1	101.0	33.3	353.1	22.7	435.9	337.8
1982	459.5	96.6	31.6	362.9	21.8	436.3	347.9
1983	449.7	90.7	29.5	359.0	23.7	443.2	354.3
1984	427.1	82.9	26.8	344.2	23.9	438.7	359.2
1985	391.6	71.7	24.3	319.9	22.4	419.7	348.8
1986	350.4	65.2	21.9	285.2	22.1	393.8	328.0
1987	323.6	59.0	26.1	264.5	19.2	361.5	304.6
1988	287.5	55.8	25.2	231.7	17.4	333.7	280.3
1989	266.0	54.1	23.5	211.9	16.0	303.5	252.8

Forecast (Estimate by the Standing Conference of Ministers of Education of the Laender; KMK Documentation 99)

1988	291.1	53.7	19.5	237.4	17.9 ¹⁾	339.8	285.4
1989	267.4	50.2	18.3	217.2	17.6 ¹⁾	305.0	256.2
1990	249.0	46.6	17.1	202.4	16.4 ¹⁾	283.8	238.4
1991	241.4	45.2	16.6	196.2	15.9 ¹⁾	277.6	233.2
1992	235.6	44.6	16.4	191.0	15.5 ¹⁾	272.6	229.0
1993	233.3	44.7	16.5	188.6	15.4 ¹⁾	272.3	228.7
1994	230.6	44.7	16.5	185.9	15.2 ¹⁾	271.1	227.7
1995	237.5	46.6	16.9	190.9	15.7 ¹⁾	266.9	224.2
1996	245.7	47.5	17.4	198.2	16.2 ¹⁾	278.9	234.3
1997	249.5	48.1	17.9	201.4	16.5 ¹⁾	287.0	240.7
1998	246.4	47.9	18.0	198.5	16.3 ¹⁾	289.4	243.1
1999	241.8	47.5	17.9	194.3	16.0 ¹⁾	286.0	240.2
2000	240.0	47.3	17.7	192.7	15.8 ¹⁾	279.5	234.8
2005	259.3	49.5	18.5	209.8	17.1 ¹⁾	300.5	252.4
2010	248.4	47.2	17.8	201.2	16.4 ¹⁾	294.5	247.4

¹⁾ Estimate

School-leavers according to Type of Qualification obtained (Thousands) (cont.)

Leavers with Entrance Qualification for Institutions of Higher Education								Leavers who have completed Training in Vocational Schools	Year
Total		University Entrance Qualification		Fachhochschul-Entrance Qualification					
Total	of which from	Total	of which from	Total	of which from				
General Education Schools	Vocational Schools	General Education Schools	Vocational Schools ²⁾	General Education Schools	Vocational Schools				

Actual Figures							
1960	56.7	56.7	—	—	56.7	—	—
1965	50.5	50.5	—	—	50.5	—	—
1970	91.5	83.5	8.0	87.2	83.5	3.7	4.3
1975	175.0	119.7	55.3	126.2	115.4	10.8	4.8
1980	221.7	159.6	62.1	168.5	155.1	13.4	5.3
1981	258.4	186.7	71.7	197.0	181.6	15.4	6.1
1982	286.3	202.6	83.7	214.8	196.7	18.1	7.1
1983	305.7	214.1	91.6	227.7	207.6	20.1	7.8
1984	305.0	216.5	88.5	230.9	210.2	20.7	7.4
1985	298.9	216.2	82.7	230.9	210.1	20.8	6.8
1986	291.4	211.4	79.9	224.5	205.7	18.8	6.6
1987	290.6	207.7	82.9	221.2	202.3	18.8	6.9
1988	291.0	203.0	88.8	218.0	198.1	20.0	7.3
1989	280.1	190.6	89.5	205.6	185.3	20.3	7.4

Forecast (Estimate by the Standing Conference of Ministers of Education of the Laender; KMK Documentation 99)

1988	290.2	203.3	87.0	217.5	197.9	20.0	7.2
1989	274.9	189.4	85.4	203.2	184.3	18.8	7.1
1990	264.0	182.2	81.9	196.6	177.3	19.3	6.7
1991	246.0	169.3	76.7	182.8	164.7	18.1	6.3
1992	225.8	154.2	71.6	166.1	149.8	16.3	5.9
1993	216.2	148.1	68.1	159.4	143.8	15.6	5.6
1994	213.9	148.8	64.9	159.5	144.4	15.1	5.4
1995	211.6	148.6	63.0	158.7	144.1	14.6	5.2
1996	214.9	153.2	61.7	163.0	148.7	14.3	5.1
1997	215.0	153.6	61.4	163.2	149.1	14.2	5.1
1998	213.4	151.5	61.9	161.0	146.9	14.1	5.2
1999	220.6	158.4	62.2	167.8	153.6	14.2	5.2
2000	226.7	164.2	62.5	173.5	159.3	14.2	5.3
2005	226.8	162.7	64.1	173.2	157.9	15.3	5.3
2010	237.7	172.7	65.0	183.1	167.7	15.4	5.4

²⁾ Including those with a subject-restricted qualification for higher education entrance

Percentage of Girls in School-leavers according to Type of Qualification obtained

Year	Leavers from General Education Schools				Leavers who have completed Compulsory Full-time Schooling and Vocational Schools ¹⁾	Leavers with Intermediate School Certificate or Equivalent		
	Total	of which		Total		Total	of which from	
		without Secondary General School Certificate	with Secondary General School Certificate				General Education Schools	Vocational Schools
		Total	of which from Special Schools				Total	
1967	48.9	44.3	22.0	50.3	—	50.5	52.9	43.8
1968	48.7	43.6	23.9	50.2	—	50.2	52.9	43.0
1969	48.3	43.7	25.4	49.9	—	51.1	52.9	46.9
1970	47.9	44.5	22.6	49.3	—	51.6	52.5	49.3
1971	47.4	40.0	24.5	49.4	—	51.5	52.7	47.7
1972	47.2	41.7	27.2	49.4	—	51.5	52.6	48.1
1973	47.1	41.2	29.3	49.3	—	53.0	54.0	49.9
1974	46.8	41.2	29.7	48.7	—	53.9	54.6	51.9
1975	45.9	40.8	34.0	47.4	—	54.7	54.7	54.6
1976	45.6	40.5	34.5	47.3	16.0	53.7	53.4	55.1
1977	45.5	40.1	37.0	47.1	34.6	54.4	54.5	54.0
1978	45.1	39.7	38.2	46.8	43.8	55.1	55.0	55.6
1979	44.8	39.2	38.7	46.3	44.1	55.4	55.0	57.6
1980	44.1	38.1	40.0	45.8	38.6	55.4	54.7	58.8
1981	44.6	36.2	37.4	46.6	40.1	55.2	54.4	59.7
1982	43.7	38.4	39.0	45.3	34.6	55.0	53.3	60.7
1983	43.9	39.1	38.8	45.2	38.1	54.9	53.8	59.4
1984	43.5	39.2	38.1	44.5	37.2	54.7	53.7	59.5
1985	43.7	39.4	38.6	44.6	37.4	55.0	53.9	60.9
1986	43.6	39.7	38.7	44.4	39.1	53.8	52.9	58.7
1987	43.8	39.8	38.6	44.6	35.9	53.6	53.0	56.9
1988	43.3	38.9	38.9	44.3	38.3	52.3	52.7	56.4
1989	43.2	39.0	39.1	44.3	41.2	52.7	52.6	51.9

1) With Secondary General School Certificate

Percentage of Girls in School-leavers according to Type of Qualification obtained (cont.)

Leavers with Entrance Qualification for Institutions of Higher Education

Year

Total			University Entrance Qualification			Entrance Qualification for Fachhochschule			
Total	of which from		Total	of which from		Total	of which from		
	General Edu- cation Schools	Vocati- onal Schools		General Edu- cation Schools	Vocati- onal Schools ¹⁾		General Edu- cation Schools	Vocati- onal Schools	
36.5	36.6	27.3	36.5	36.6	27.3	—	—	—	1967
38.1	38.2	32.9	38.1	38.2	32.9	—	—	—	1968
38.5	38.7	28.9	38.5	38.7	28.9	—	—	—	1969
39.4	39.6	33.8	39.4	39.6	33.8	—	—	—	1970
38.0	40.9	24.5	40.8	40.9	39.6	17.5	38.0	17.5	1971
36.1	41.6	20.8	41.5	41.6	34.5	17.9	39.0	17.4	1972
37.1	43.2	23.8	43.2	43.2	35.0	21.1	40.0	21.3	1973
38.8	44.7	25.4	44.7	44.7	36.3	22.6	41.0	22.8	1974
39.9	45.9	26.6	45.9	45.9	39.9	23.5	42.0	23.2	1975
41.7	47.2	28.2	47.2	47.2	38.7	25.7	44.4	25.3	1976
42.8	47.0	31.6	47.2	47.1	40.5	29.5	45.1	29.1	1977
44.3	47.3	36.2	47.5	47.3	40.4	37.6	43.6	35.1	1978
42.9	45.7	36.5	45.8	45.7	38.3	38.7	45.9	36.0	1979
45.4	48.3	38.1	48.5	48.3	38.5	38.5	50.3	37.9	1980
46.4	49.5	38.6	48.6	49.5	39.6	39.4	51.8	38.3	1981
46.3	49.7	37.9	48.9	49.7	40.1	38.6	52.4	37.4	1982
46.4	50.0	38.0	49.1	49.8	41.9	38.4	54.5	36.9	1983
46.9	50.6	37.8	49.6	50.5	42.2	38.4	56.5	36.7	1984
47.4	50.4	39.8	49.3	50.1	40.7	41.2	58.1	39.5	1985
47.4	50.1	40.1	49.2	50.0	40.3	41.4	55.3	40.0	1986
47.2	50.0	40.1	49.1	49.9	40.8	40.9	52.8	39.9	1987
46.4	50.0	38.0	49.1	50.0	40.1	38.3	51.5	37.4	1988
46.0	49.9	37.7	48.8	49.8	39.8	38.1	51.2	37.0	1989

1) Including those with a subject-restricted qualification for higher education entrance

Teachers¹⁾ and Pupils per Teacher in General Education Schools according to Level and Type of School and Laender

Year Land	Pre-school Level	Primary Level (Classes 1 to 4)	Secondary Level I					Secondary Level II	
	Pre-school Classes	School-kindergartens	Primary Schools	Integrated Comprehensive Schools/Free Waldorf Schools	Orientation Stage Independent of School Type	Secondary General Schools	Inter-mediate Schools	Orientation Stage Independent of School Type ²⁾	
Teachers ¹⁾									
1983	1576	2923	110408	1110	14706	95708	61339	14208	
1984	1585	2933	110743	1184	14036	92005	60550	14315	
1985	1579	2968	111538	1227	14101	88885	59308	14670	
1986	1618	2975	112977	1252	14485	84634	57686	15394	
1987	1637	3068	115085	1224	15029	80448	56052	16152	
1988	1655	3076	116292	1339	14532	77568	54582	17192	
1989	1728	4252	120786	1352	14368	75224	53695	18016	
BW	—	2029	18948	323	63	12897	11159	963	
BA	—	—	24226	109	51	19796	9487	396	
HE	135	439	11050	123	2781	2181	3788	3322	
NS	412	332	14340	114	8411	6684	6875	1348	
NW	—	988	30535	175	—	21389	12770	7384	
RP	3	137	7582	23	—	5606	2835	299	
SL	—	55	2219	14	—	1227	898	483	
SH	211	146	4525	59	—	2824	3431	278	
BE	685	—	3970	88	2161	1103	1006	1857	
BR	10	94	1214	18	829	468	530	252	
HA	272	32	2177	306	72	1049	916	1434	
Pupils per Teacher									
1983	20.0	9.8	21.3	17.8	18.2	16.8	19.8	14.4	
1984	19.9	9.7	20.6	17.3	17.1	15.9	18.7	13.8	
1985	20.8	9.8	20.2	17.2	16.0	15.0	17.7	13.1	
1986	20.6	10.3	20.0	17.4	15.6	14.5	16.9	12.6	
1987	20.4	10.6	20.0	18.6	14.8	14.1	16.3	12.2	
1988	19.9	10.8	20.3	18.5	14.7	13.9	16.0	11.9	
1989	19.4	9.4	20.3	19.1	14.6	13.9	16.0	12.2	
BW	—	5.5	20.5	18.0	16.6	13.6	15.3	11.2	
BA	—	—	18.7	17.3	12.5	13.9	14.5	11.8	
HE	17.4	10.3	19.6	17.5	14.5	17.7	18.7	13.7	
NS	22.5	11.3	20.0	20.1	15.0	11.9	14.6	10.5	
NW	—	15.1	22.2	24.7	—	14.6	18.5	12.6	
RP	14.0	10.5	19.8	22.7	—	13.7	16.4	12.8	
SL	—	8.4	18.3	20.9	—	12.9	14.7	11.5	
SH	25.5	15.0	21.3	22.8	—	14.0	14.4	12.6	
BE	14.7	—	17.8	18.5	13.9	8.7	13.3	10.1	
BR	24.1	12.9	18.6	15.1	12.7	10.6	13.6	10.0	
HA	22.6	10.3	21.3	17.2	13.9	15.6	14.1	11.6	

¹⁾ Full-time teachers and part-time teachers on full-time basis²⁾ Classes 5 to 10³⁾ Classes 11 to 13

Source: KMK

Teachers¹⁾ and Pupils per Teacher in General Education Schools according to Level and Type of School and Laender (cont.)

Secondary Level I		Secondary Level II				Special Schools		Year Land
Evening Classes at Secondary General School Level	Evening Classes at Inter-mediate School Level	Grammar Schools Classes 5 to 10	Schools Classes 11 to 13	Orientation Stage Inde-pendent of School type ³⁾	Evening Gram-mer Schools	Full-time Adult Education Colleges	Classes for Chil-dren with Learning Difficul-ties	Classes for Chil-dren with Other Hand-icaps
Teachers ¹⁾								
30	358	69773	54930	2481	1146	1049	19820	20490
26	432	67514	55602	2622	1154	1140	19400	20937
31	439	65345	56606	2562	1164	1126	18562	21580
39	427	64547	55712	2659	1200	1168	18022	21763
42	476	64150	54048	2499	1244	1210	17330	21662
50	523	64914	51492	2671	1314	1263	16906	21942
52	568	66695	49406	2767	1331	1307	16330	22595
—	76	11605	7023	320	108	78	2940	5300
—	32	12764	7850	64	67	136	2281	4172
1	27	5680	4692	190	242	85	1120	1431
—	—	5940	6296	388	96	103	2649	1474
—	323	18899	13768	1031	601	648	4094	7009
—	—	3792	2758	53	—	63	1026	588
—	12	1103	652	14	16	—	195	302
—	38	2688	2165	78	48	—	925	839
40	23	1815	1706	332	44	173	486	618
7	27	503	1006	7	27	—	209	303
4	10	1906	1490	290	51	21	405	559
Pupils per Teacher								
34.3	25.8	18.5	12.2	10.6	14.3	10.6	9.7	5.5
26.2	21.0	17.7	11.8	9.8	14.0	10.1	9.1	5.3
23.9	20.2	17.0	11.3	10.0	14.0	10.1	8.8	5.2
16.1	22.4	16.2	10.9	9.6	14.1	10.0	8.5	5.2
15.7	22.9	15.9	10.7	10.2	14.2	9.9	8.3	5.1
15.0	23.1	15.6	10.7	10.1	14.0	10.0	8.1	5.1
14.4	24.5	15.3	10.6	10.0	13.9	10.0	8.1	5.1
—	24.3	13.6	10.2	10.4	16.5	10.7	7.3	4.0
—	17.2	15.0	9.8	10.9	13.4	10.3	7.2	5.8
23.0	27.2	17.1	10.9	9.8	13.1	11.8	8.9	5.3
—	—	13.9	10.0	9.6	9.7	8.1	6.9	5.3
—	27.0	16.5	11.8	10.9	15.4	9.9	10.0	5.3
—	—	16.6	11.1	10.2	—	9.4	7.4	7.1
—	19.6	15.2	11.1	10.1	17.8	—	7.6	3.9
—	18.4	15.8	9.7	8.6	11.8	—	8.7	5.1
13.6	26.8	13.2	9.1	8.6	11.0	9.6	6.3	5.2
16.3	13.6	14.2	7.4	13.6	10.1	—	7.5	3.5
16.3	17.0	15.0	11.0	8.5	11.6	9.2	7.1	6.7

Teachers¹⁾ and Pupils per Teacher in Vocational Schools²⁾ according to Level and Type of School and Laender

Year Land	Secondary Level II						
	Voca- tional Schools	Pre-voca- tional Training Year	Basic Vocational Training Year		Vocational Extension Schools	Voca- tional Schools (Berufs- fach- schulen) Ober- schulen	
	part-time	full-time		part-time	full-time	part-time	full-time
Teachers ¹⁾							
1983	34331	3666	6434	505	900	57	23511
1984	35925	3492	6421	443	699	41	23731
1985	37099	3365	6316	435	602	39	23608
1986	38079	2952	5828	546	508	37	23051
1987	36849	2954	5756	873	673	27	23136
1988	36849	2913	5196	1197	604	28	22703
1989	36716	2971	4791	1322	586	27	21583
BW	5946	667	74	106	81	1	6264
BA	6289	372	976	972	329	—	1698
HE	3862	320	225	100	16	2	1080
NS	3868	578	1956	—	30	—	2693
NW	9045	298	744	—	7	1	5987
RP	1984	22	387	94	52	4	1194
SL	737	53	109	25	32	16	431
SH	1623	60	120	—	15	3	645
BE	1278	259	53	—	—	—	464
BR	760	70	68	—	8	—	315
HA	1324	272	79	25	16	—	812
Pupils per Teacher							
1983	52.1	12.0	13.7	37.1	14.9	39.5	15.1
1984	51.7	11.5	13.5	36.2	14.7	46.1	14.5
1985	51.0	10.6	12.6	32.8	13.8	37.8	14.3
1986	48.7	9.3	11.6	33.3	13.3	36.7	13.8
1987	48.1	8.6	10.2	32.3	13.2	29.7	13.0
1988	45.4	8.5	9.6	31.1	13.1	27.8	12.6
1989	42.3	8.0	8.8	30.0	12.8	27.2	12.1
BW	40.6	8.6	4.8	34.3	15.1	10.0	12.2
BA	42.4	6.1	8.3	29.5	12.1	—	9.3
HE	35.8	8.9	12.6	27.9	23.7	14.5	13.7
NS	51.7	6.6	8.0	—	12.0	—	12.3
NW	46.0	9.0	9.4	—	11.9	11.0	12.8
RP	44.0	7.4	9.5	38.9	13.0	59.0	12.5
SL	34.4	6.6	10.4	24.2	6.7	17.6	11.4
SH	45.5	10.0	11.0	—	19.1	55.3	14.9
BE	28.6	9.5	8.2	—	—	—	8.4
BR	33.6	9.6	11.0	—	11.4	—	11.6
HA	32.6	8.4	12.0	12.0	12.0	—	10.5

¹⁾ Full-time teachers and part-time teachers on full-time basis

²⁾ Not including schools for nurses, midwives etc.

Source: KMK

Teachers¹⁾ and Pupils per Teacher in Vocational Schools²⁾ according to Level and Type of School and Laender (cont.)

Secondary Level II										Year Land
Fachoberschulen	Specia- lized Gram- mar Schools	Trade and Technical Schools		Speciali- zed/ Voca- tional Aca- demies	Kollegschule (only in North- Rhine Westphalia)					
full-time	part-time	full-time		part-time	full-time			part-time		
Teachers ¹⁾										
4040	762	4633	5215	340	861	983	729	—	—	1983
3852	691	4655	5115	406	872	1035	835	—	—	1984
3622	769	4762	5253	507	898	1058	844	—	—	1985
3730	736	4785	5436	573	927	1089	1053	—	—	1986
3926	764	4927	5698	677	945	1102	1058	—	—	1987
4104	792	5081	6133	685	939	1107	995	—	—	1988
4177	773	5144	6339	811	979	1212	1098	—	—	1989
—	—	2493	1583	77	—	—	—	—	—	BW
1253	429	—	1278	107	961	—	—	—	—	BA
531	—	695	477	54	—	—	—	—	—	HE
517	34	960	818	71	6	—	—	—	—	NS
933	240	—	832	325	—	1212	1098	—	—	NW
209	27	199	302	82	—	—	—	—	—	RP
161	10	—	152	26	—	—	—	—	—	SL
82	4	371	333	6	12	—	—	—	—	SH
184	9	149	252	42	—	—	—	—	—	BE
143	5	—	67	3	—	—	—	—	—	BR
164	15	277	245	18	—	—	—	—	—	HA
Pupils per Teacher										
15.1	32.0	13.7	13.6	36.7	10.9	13.5	47.0	—	—	1983
13.9	33.2	13.3	13.2	36.4	10.9	13.1	45.4	—	—	1984
13.8	30.0	12.8	12.8	33.7	10.5	12.2	46.6	—	—	1985
13.7	30.7	12.9	12.8	34.9	9.9	12.3	43.2	—	—	1986
13.8	29.6	12.6	12.9	33.8	9.1	12.0	42.0	—	—	1987
13.6	29.4	12.4	12.9	37.6	8.5	11.4	42.9	—	—	1988
13.1	28.2	12.2	12.8	36.0	8.3	10.6	43.4	—	—	1989
—	—	12.3	11.5	29.4	—	—	—	—	—	BW
10.3	22.7	—	12.3	29.1	7.6	—	—	—	—	BA
17.1	—	12.5	16.4	39.9	—	—	—	—	—	HE
15.0	42.2	12.2	12.1	26.4	13.0	—	—	—	—	NS
14.0	35.2	—	14.6	40.8	—	10.6	43.4	—	—	NW
16.2	32.1	12.4	15.1	39.7	—	—	—	—	—	RP
15.0	45.2	—	13.6	52.5	—	—	—	—	—	SL
18.8	25.8	14.9	14.0	35.7	63.8	—	—	—	—	SH
11.7	16.4	7.9	9.9	27.0	—	—	—	—	—	BE
11.0	25.0	—	8.8	51.3	—	—	—	—	—	BR
6.4	31.6	10.3	11.5	25.2	—	—	—	—	—	HA

Definitions**Dual System**

A combination of education and training at a part-time vocational school and training in a company on the basis of a training contract (cf. definitions of vocational schools on page 26/27)

Vocational Training Act

While under the Basic Law of the Federal Republic of Germany the Länder are responsible for vocational education in schools, the Federal Government has legislative competence for vocational training outside schools, in companies or training centres.

Vocational training and education outside schools (vocational training, further training and re-training) was regulated on a comprehensive and uniform basis for the whole of the Federal Republic by the Vocational Training Act of 1969.

This Act covers vocational training in industrial, agricultural and commercial enterprises, in the public sector, surgeries, solicitor's firms etc. and in households. Training in companies is supplemented by training and education in centres run by various bodies (e.g. the employers' associations, chambers, boards and so on).

Training Contracts

A training contract is concluded between the company and the apprentice on the basis of the Vocational Training Act. The contents of the training and its length together with the examination requirements are laid down in federal training regulations (Ausbildungsordnungen). Training generally lasts 2 to 3 years, usually for 3. However, there are also training courses lasting 3½ years, mostly taking the form of training in stages, e.g. in electrical engineering. At present training is available for some 450 recognized occupations.

For training at vocational schools, curricula established by Land legislation are to be observed. The training regulations for company training and the framework curricula for school training are worked out in a joint procedure in accordance with an agreement concluded between the Federal Government and the governments of the Länder in 1972.

It is the aim of vocational education and training to provide basic vocational education and the skills and knowledge necessary for the practice of a recognized occupation through specialized vocational training.

Contents

Apprentices	according to Training Sector and Laender	54
	Female Apprentices	55
	as a Percentage of the Population of the Same Age	54
	according to Training Sector and Number of Years in Training	56
	in the 25 most Popular Occupations according to Order, Training Sector and Sex	57 to 59
	according to Educational Background and Training Sector	61
New Training Contracts	according to Laender	60
	according to Training Sector	56
	as a Percentage of the Population aged 16 to under 17	54
Qualifying Examinations	according to Training Sector and Laender	62 to 63
	Female Participants	64 to 65

Apprentices according to Training Sector and Laender (Thousands)

Year Land	Apprentices								New Train-	
	Total	of which in the Training Sector						In Per cent of the Po- pulation aged 16 to under 19	ing Con- tracts in Per cent of the Po- pulation aged 16 to under 17	
		Indus- try and Com- merce	Crafts	Agri- culture	Public Sec- tor ¹⁾	Surge- ries Soli- citor's Firms etc ²⁾	House- holds ²⁾	Mari- time Ship- ping ²⁾		
Federal Republic										
1960	1265.9	743.1	446.6	36.3	19.4	20.4	•	•	54.8	•
1965	1331.9	752.4	468.0	37.3	23.7	45.5	•	5.0	57.7	•
1970	1268.7	724.9	419.5	38.1	20.2	56.4	7.2	2.4	53.4	•
1975	1328.9	634.0	504.7	33.0	46.0	103.2	7.3	0.9	48.5	•
1976	1316.6	611.2	510.4	37.4	43.9	106.6	6.8	0.9	46.6	•
1977	1397.4	643.8	556.1	41.0	44.8	103.4	7.2	1.0	47.7	55.1
1978	1517.3	692.0	614.9	45.2	51.7	104.7	7.8	1.0	50.6	61.4
1979	1644.6	748.4	676.2	46.6	53.8	110.4	8.1	1.0	53.1	62.1
1980	1715.5	786.9	702.3	46.8	53.8	114.3	7.6	1.0	53.8	61.9
1981	1676.9	771.3	673.6	46.5	54.3	123.6	6.6	0.9	52.2	58.7
1982	1675.9	764.7	665.5	49.6	58.3	128.5	8.4	0.8	52.2	61.6
1983	1722.4	791.9	674.9	52.0	63.7	129.7	8.8	0.9	54.9	68.9
1984	1800.1	841.1	693.2	53.2	69.2	132.4	9.9	1.0	59.0	73.9
1985	1831.3	874.6	687.5	53.4	72.6	131.5	10.6	1.1	62.9	77.7
1986	1805.2	882.2	657.8	50.2	73.1	129.9	11.0	1.1	66.5	85.4
1987	1738.7	866.0	617.8	44.6	71.7	125.1	12.8	0.8	68.9	84.9
1988	1658.0	827.2	577.9	38.5	67.3	133.6	12.9	0.6	71.5	87.0
1989	1552.5	783.3	532.5	33.8	62.2	129.3	11.0	0.5	73.6	90.6
Laender 1989										
BW	234.7	131.5	67.9	5.3	9.5	18.9	1.7	—	70.3	86.2
BA	281.1	136.1	107.8	6.0	7.3	22.7	1.2	—	73.8	87.9
HE	131.8	68.0	42.7	2.6	7.4	10.2	0.9	—	71.6	88.0
NS	196.1	82.6	77.3	5.9	11.1	17.3	1.7	0.2	73.8	94.7
NW	431.4	226.6	142.6	7.4	15.6	35.9	3.3	0.0	75.2	92.6
RP	88.1	41.2	32.8	2.3	3.0	7.8	1.0	—	71.0	88.9
SL	25.2	12.8	8.8	0.4	0.7	2.2	0.3	—	76.5	101.7
SH	66.3	30.1	23.7	2.6	3.1	6.2	0.6	0.1	72.4	85.8
BE	35.4	17.4	12.1	0.6	2.0	3.2	0.1	—	62.8	76.6
BR	21.9	13.0	6.1	0.2	0.7	1.8	0.2	0.0	104.2	127.3
HA	40.5	24.0	10.8	0.6	1.8	3.1	0.1	0.2	89.7	116.3

¹⁾ Not including apprentices whose recognized occupations are registered with other competent bodies under the Vocational Training Act; until 1972 incomplete coverage

²⁾ Until 1972 incomplete coverage

Female Apprentices according to Training Sector and Laender (Thousands)

Year Land	Female Apprentices								In Per cent of the Po- pulation aged 16 to under 19	
	Total	of which in Training Sector								
		Indus- try and Com- merce	Crafts	Agri- culture	Public Sec- tor ¹⁾	Surge- ries Soli- citor's Firms etc ²⁾	House- holds ²⁾	Mari- time Ship- ping ²⁾		
Federal Republic										
1960	454.7	327.9	96.6	12.0	1.3	17.0	•	•	41.6	
1965	485.2	330.2	101.7	11.4	•	41.9	•	—	43.3	
1970	447.4	293.8	81.7	9.2	0.07	55.3	7.2	0.04	38.6	
1975	469.9	249.6	96.3	6.3	13.6	96.9	7.3	—	35.3	
1976	474.9	240.2	105.6	7.4	13.8	101.1	6.8	—	34.6	
1977	510.2	260.0	120.5	8.9	15.5	98.2	7.2	—	35.8	
1978	566.4	291.9	137.1	10.5	19.1	100.0	7.8	0.01	38.7	
1979	621.6	322.9	152.3	11.2	21.6	105.5	8.1	0.01	41.3	
1980	655.0	343.7	157.2	11.8	22.8	109.2	7.5	0.01	42.3	
1981	647.8	334.8	151.4	12.6	23.9	118.5	6.6	0.01	41.7	
1982	654.0	326.2	154.2	15.1	27.1	123.2	8.3	0.01	42.1	
1983	676.2	336.3	160.6	16.3	30.3	124.0	8.7	0.01	44.5	
1984	718.9	361.8	171.0	16.5	33.0	126.6	9.9	0.02	48.5	
1985	743.8	380.4	175.8	16.8	34.5	125.8	10.6	0.00	52.5	
1986	746.2	384.5	175.7	16.0	34.9	124.2	10.9	0.03	56.5	
1987	732.0	379.1	171.7	14.4	34.4	119.7	12.6	0.02	59.5	
1988	713.8	363.6	163.6	12.9	32.5	128.7	12.6	0.02	63.2	
1989	669.1	345.5	149.1	11.3	30.2	124.3	10.7	0.00	65.2	
Laender 1989										
BW	103.8	57.1	20.0	1.8	4.8	18.4	1.7	—	63.7	
BA	121.3	62.6	30.4	2.0	3.2	22.0	1.1	—	65.4	
HE	56.0	29.4	11.0	1.0	4.1	9.8	0.9	—	62.8	
NS	85.6	38.6	21.0	1.9	5.4	16.6	1.6	0.0	65.7	
NW	184.1	95.1	41.3	2.6	7.5	34.4	3.2	—	66.0	
RP	37.2	18.4	8.7	0.6	1.1	7.5	1.0	—	61.6	
SL	10.9	5.3	2.7	0.2	0.2	2.1	0.3	—	67.1	
SH	29.2	14.5	6.0	0.8	1.6	5.8	0.6	—	65.9	
BE	14.3	6.6	3.2	0.2	1.2	3.1	0.1	—	52.6	
BR	9.5	5.3	1.9	0.1	0.2	1.8	0.2	0.0	93.3	
HA	17.7	10.6	3.0	0.2	0.9	2.9	0.1	0.0	80.6	

¹⁾ Not including apprentices whose recognized occupations are registered with other competent bodies under the Vocational Training Act; until 1972 incomplete coverage

²⁾ Until 1972 incomplete coverage

Apprentices according to Training Sector and Number of Years in Training

Year	Apprentices		of which in Training Year				With new Training Contracts ¹⁾
	Total		First	Second	Third	Fourth	
			Thousands				
	Thousands	Per Cent	Thousands				
Industry and Commerce							
1987	866.0	49.8	252.0	315.9	261.1	37.0	347.7
1988	827.2	49.9	231.5	296.3	262.0	37.5	318.4
1989	783.3	50.5	218.1	272.2	254.0	39.0	294.1
Crafts							
1987	617.8	35.5	177.3	202.1	202.1	36.3	211.6
1988	577.9	34.9	167.7	188.8	188.2	33.1	201.0
1989	532.5	34.3	152.7	174.2	173.8	31.9	184.2
Agriculture							
1987	44.6	2.6	7.6	17.6	19.2	0.1	17.3
1988	38.5	2.3	6.5	15.2	16.7	0.1	15.1
1989	33.8	2.2	6.3	12.7	14.7	0.1	13.6
Public Sector							
1987	71.7	4.1	19.8	26.1	25.8	—	25.4
1988	67.3	4.1	18.2	24.6	24.4	—	23.5
1989	62.2	4.0	17.1	22.4	22.7	0.0	21.8
Solicitor's Firms Surgeries, etc.							
1987	125.1	7.2	47.2	52.2	25.4	0.3	51.4
1988	133.6	8.1	44.3	47.8	41.3	0.2	47.3
1989	129.3	8.3	46.9	43.4	39.0	0.1	49.1
Households							
1987	12.8	0.7	3.5	5.3	4.0	—	5.5
1988	12.9	0.8	3.3	4.7	4.9	—	4.9
1989	11.0	0.7	2.8	4.3	3.8	—	4.3
Maritime Shipping							
1987	0.8	0.0	0.2	0.3	0.3	—	0.3
1988	0.6	0.0	0.2	0.2	0.3	—	0.2
1986	0.5	0.0	0.1	0.1	0.2	—	0.2
Total							
1981	1676.9	100.0	475.0	615.4	515.3	71.2	620.8
1982	1675.9	100.0	497.9	579.2	521.4	77.4	651.1
1983	1722.4	100.0	543.7	608.6	490.4	79.7	701.2
1984	1800.1	100.0	558.6	649.9	517.2	74.5	723.5
1985	1831.3	100.0	544.1	663.5	549.7	74.1	709.2
1986	1805.2	100.0	534.1	638.0	558.6	74.7	696.4
1987	1738.7	100.0	507.7	619.4	537.9	73.7	659.1
1988	1658.0	100.0	471.8	577.4	537.8	70.9	610.3
1989	1552.5	100.0	444.0	529.3	508.2	71.1	567.4

¹⁾ In the 1st, some in 2nd training year, as per 31. December

Apprentices in the 25 most popular Occupations according to Order, Training Sector and Sex

Recognised Occupation	Training Sector	Apprentices					
		1989		1980		1989	
		Rank	Number	Rank	Number	Per Cent	
Total Number of Apprentices							
Salesman in Retail Trade ¹⁾³⁾⁴⁾	IC	1	10	71095	44301	4.6	2.6
Motor-vehicle Mechanic	Cr	2	1	70112	94055	4.5	5.5
Industrial Clerk ³⁾	IC	3	4	64041	57985	4.1	3.4
Office Clerk	IC	4	6	55731	51052	3.6	3.0
Hairdresser	Cr	5	3	55058	71129	3.5	4.1
Bank Clerk	IC	6	8	54029	45750	3.5	2.7
Clerk in Wholesale sale and Foreign Trade	IC	7	7	49235	50335	3.2	2.9
Electrical Fitter	Cr	8	5	46319	57623	3.0	3.4
Doctor's Receptionist	P	9	15	42223	35685	2.7	2.1
Salesman in the Food Trade	Cr						
Machine Fitter ³⁾⁵⁾	IC	10	11	38841	44011	2.5	2.6
Joiner	Cr	11	9	35958	45735	2.3	2.7
Salesman ³⁾⁵⁾	IC	12	12	31192	44006	2.0	2.6
Dentist's Receptionist	P	13	2	30492	92239	2.0	5.4
Painter and Varnisher	Cr	14	18	29708	25411	1.9	1.5
Plant Fitter ³⁾⁷⁾	IC	15	13	27992	40321	1.8	2.4
Gas and Water Fitter	Cr	16	21	27546	21678	1.8	1.3
Cook	IC	17	16	24353	34611	1.6	2.0
Assistant in Business and Tax Consultancy	P	18	23	23209	21607	1.5	1.3
Electronics Technician							
Power Systems ³⁾⁸⁾	IC	19	24	23103	20785	1.5	1.2
		20	33	22647	13091	1.5	0.8
Baker	Cr						
Hotel Specialist	IC	21	17	21642	27803	1.4	1.6
Office Clerk	Cr	22	14	20736	2830	1.3	0.2
Gardener	AG	23	29	18099	15206	1.2	0.9
Clerk in Public Administration	PS	24	28	16586	16710	1.1	1.0
		25	38	15279	12434	1.0	0.7

rank groups							
rank	1-5	316037	373031	20.4	21.7		
rank	6-10	230647	237173	14.9	13.8		
rank	11-15	155342	166853	10.0	9.7		
rank	16-20	120858	131882	7.8	7.7		
rank	21-25	92342	91515	5.9	5.3		
rank	1-10	546684	610204	35.2	35.5		
rank	1-15	702026	777057	45.2	45.2		
rank	1-20	822884	908939	53.0	52.9		
rank	1-25	915226	1000454	59.0	58.2		
rank	1-30	1000454	1171548	100.0	100.0		

¹⁾ Including Retail Salesman²⁾. — ²⁾ Disappearing occupation. — ³⁾ including a small number of apprentices in the crafts. — ⁴⁾ Stage 2 — ⁵⁾ Stage 1. —

⁶⁾ Machine and systems engineering branch; including machine fitter²⁾

⁷⁾ Plant technology branch; including plant fitter²⁾

⁸⁾ Plant technology branch; including electronics technician energy systems²⁾

⁹⁾ All apprentices

3 Vocational Education and Training

Apprentices in the 25 most popular Occupations according to Order, Training Sector and Sex (cont.)

Recognized Occupation	Train- ing Sector	Apprentices					
		1989	1980	1989	1980	1989	1980
		Rank	Number	Per Cent			

Male Apprentices

Motor-vehicle Mechanic	Cr	1	1	69151	93526	7.8	8.8
Electrical Fitter	Cr	2	2	45818	57363	5.2	5.4
Machine Fitter ³⁾ ⁶⁾	IC	3	3	35174	45432	4.0	4.3
Joiner	Cr	4	4	28017	42398	3.2	4.0
Clerk in Whole Sale and Foreign Trade	IC	5	8	27962	29495	3.2	2.8
Plant Fitter ³⁾ ⁷⁾	IC	6	14	26956	21562	3.1	2.0
Bank Clerk	IC	7	15	25448	21320	2.9	2.0
Painter and Varnisher	Cr	8	6	25212	38130	2.9	3.6
Salesman in Retail Trade ¹⁾ ³⁾ ⁴⁾	IC	9	19	24438	17297	2.8	1.6
Gas- and Water Fitter	Cr	10	7	24106	34468	2.7	3.3
Industrial Clerk ³⁾	IC	11	13	24029	21995	2.7	2.1
Electronics Technician, Power Systems ³⁾ ⁸⁾	IC	12	24	22108	13035	2.5	1.2
Baker	Cr	13	9	17538	26085	2.0	2.5
Cook	IC	14	18	16620	17829	1.9	1.7
Bricklayer	Cr	15	5	14855	39121	1.7	3.7
Communications Electronics Technician, Telecommu- nications, Technology ¹⁰⁾	PS	16	29	14533	11259	1.6	1.1
Central Heating and Ventilation Fitter	Cr	17	16	13497	18824	1.5	1.8
Fitter	IC	18	12	12026	22297	1.4	2.1
Tool-maker ¹²⁾	IC	19	10	11516	22779	1.3	2.1
Butcher	Cr	20	11	10648	22352	1.2	2.1
Electronics technician ³⁾ ¹¹⁾	IC	21	—	10616	—	1.2	—
Office Clerk	IC	22	30	10511	9340	1.2	0.9
Gardener	AG	23	26	9861	11598	1.1	1.1
Tool mechanic ³⁾	IC	24	—	9734	—	1.1	—
Radio and TV Engineer	Cr	25	27	9431	11365	1.1	1.0

rank groups

rank	1-5	206122	277840	23.3	26.2
rank	6-10	126160	150957	14.3	14.2
rank	11-15	95150	109526	10.8	10.3
rank	16-20	62220	89921	7.0	8.5
rank	21-25	50153	58574	5.7	5.5
rank	1-10	332282	428797	37.6	40.4
rank	1-15	427432	538323	48.4	50.7
rank	1-20	489652	628244	55.4	59.2
rank	1-25	539805	686818	61.1	64.7
rank	1-30	883439	1060472	100.0	100.0

¹⁰⁾ including telecommunications craftsman

¹¹⁾ For energy/power systems

¹²⁾ Including Crafts

Vocational Education and Training

Apprentices in the 25 most popular Occupations according to Order, Training Sector and Sex (cont.)

Recognized Occupation	Train- ing Sector	Apprentices					
		1989	1980	1989	1980	1989	1980
		Rank	Number	Per Cent			

Female Apprentices

Hardresser	Cr	1	1	51814	67690	7.7	10.3
Retail Sales woman ¹⁾ ³⁾ ⁴⁾	IC	2	7	46657	27004	7.0	4.1
Office Girl	IC	3	4	45220	41712	6.8	6.4
Doctor's Receptionist	P	4	6	42178	35662	6.3	5.4
Industrial Clerk ³⁾	IH	5	5	40012	35990	6.0	5.5
Salesgirl in the Food Trade	Cr	6	3	38393	43690	5.7	6.7
Dentist's Receptionist	P	7	8	29689	25403	4.4	3.9
Bank Clerk	IC	8	9	28581	24430	4.3	3.7
Salesgirl ³⁾ ⁵⁾	IH	9	1	24873	75039	3.7	11.5
Clerk in Wholesale and Foreign Trade	IC	10	10	21273	20840	3.2	3.2
Assistant in Business and Tax Consultancy	P	11	12	18757	16705	2.8	2.6
Hotel Specialist	IC	12	40	18183	2682	2.7	0.4
Office Girl ³⁾	IC	13	11	14376	19183	2.1	2.9
Office Clerk	Cr	14	15	14177	11547	2.1	1.8
Solicitor's Clerk	P	15	16	12805	10402	1.9	1.6
Solicitor's or Notary's Clerk	P	16	13	11500	12601	1.7	1.9
Clerk in Public Administration	PS	17	20	10876	8276	1.6	1.3
Home Economics Staff	AG/HO	18	14	10128	12119	1.5	1.9
Florist	Lw	19	21	8893	8078	1.3	1.2
Technical Draughtswoman ³⁾	IC	20	22	8387	7654	1.3	1.2
Pharmacist's Assistant	P	21	17	7153	9509	1.1	1.5
Gardener	AG	22	24	6725	5112	1.0	0.8
Cook	IC	23	31	6589	3778	1.0	0.6
Construction Draftswoman ³⁾ ⁴⁾	IC	24	23	5952	7366	0.9	1.1
Insurance Specialist	IC	25	28	5905	4045	0.9	0.6

rank groups

rank	1-5	225875	264121	33.8	40.3
rank	6-10	142809	133339	21.3	20.4
rank	11-15	78298	72155	11.7	11.0
rank	16-20	49794	45535	7.4	7.0
rank	21-25	32324	23854	4.8	3.6
rank	1-10	368684	397460	55.1	60.7
rank	1-15	446982	469615	66.8	71.7
rank	1-20	496776	515150	74.2	78.7
rank	1-25	529100	539004	79.1	82.3
rank	1-30	669095	655009	100.0	100.0

Vocational Education and Training

New Training Contracts according to Laender (Thousands)

Year Land	New Training Contracts ¹⁾		Vacant Training Places	Unplaced Appli- cants	Total Supply of	Total Demand for
	Total	of which				
		for First Training Year				
Federal Republic						
1975	462.0	•	•	18.2	23.5	480.2 485.5
1976	495.8	432.6	66.2	18.1	27.7	513.9 523.5
1977	558.4	469.1	89.3	25.5	27.0	583.9 585.4
1978	601.7	503.3	96.1	22.3	23.8	624.0 625.5
1979	640.3	531.1	109.1	36.9	19.7	677.2 660.0
1980	650.0	528.3	121.7	44.6	17.3	694.6 667.3
1981	605.6	479.4	126.2	37.3	22.1	643.0 627.8
1982	631.4	496.2	135.2	20.0	34.2	651.4 665.5
1983	676.7	532.5	144.2	19.6	47.4	696.4 724.1
1984	705.6	557.9	147.7	21.1	58.4	726.7 764.0
1985	697.1	546.8	150.3	22.0	58.9	719.1 756.0
1986	684.7	543.3	141.4	31.2	46.3	715.9 731.0
1987	645.7	512.1	133.6	44.5	33.9	690.2 679.6
1988	604.0	484.3	119.7	62.0	24.8	666.0 628.8
1989	583.7	463.8	119.7	84.6	18.3	668.6 602.0
Laender 1989						
BW	89.7	70.2	19.4	19.4	1.4	109.0 91.1
BA	103.3	80.4	22.8	31.2	1.7	134.5 105.0
HE	50.6	42.1	8.5	6.8	1.4	57.4 51.9
NS	73.2	50.0	24.3	6.0	3.0	79.1 76.1
NW	163.6	138.3	25.3	11.7	7.4	175.3 171.0
RP	32.8	25.5	7.3	5.2	1.0	38.0 33.8
SL	9.0	5.9	3.1	1.0	0.3	10.0 9.3
SH	23.8	20.2	3.7	1.3	0.4	25.2 24.2
BE	13.4	12.4	0.9	1.4	0.4	14.8 13.8
BR	9.1	6.8	1.1	0.3	0.5	9.5 9.6
HA	15.4	12.0	3.3	0.5	0.8	15.9 16.2

¹⁾ From 1976, as of: Sept. 30th; 1975 calculated on the basis of vocational training statistics

²⁾ New training contracts plus vacant training places or unplaced applicants

Vocational Education and Training

Apprentices according to Educational Background and Training Sector in Per Cent

Type of Qualification	Year	Apprentices						
		Total ¹⁾	Apprentices Training for an Occupation in:					
			Industry and Commerce	Business Occupations	Technical Occupations	Crafts ²⁾ Agriculture	the Public Sector	Surge- ries Soli- citor's Firms etc.
Without Secondary General School Certificate	1985	1.6	0.7	2.1	3.8	1.7	0.1	0.2
	1987	1.7	0.7	2.0	4.4	3.1	0.0	0.2
	1988	1.7	0.5	1.6	5.0	3.4	0.1	0.3
	1989	1.6	0.4	1.3	5.3	3.2	0.0	0.3
Secondary General School Certificate	1985	31.0	21.9	39.4	51.7	32.2	11.4	10.0
	1987	28.7	20.8	37.9	54.4	23.6	11.4	11.1
	1988	29.3	20.2	37.6	54.4	23.6	10.1	12.5
	1989	28.5	19.9	37.5	53.1	22.9	9.9	11.9
Intermediate School Certificate or Equivalent	1985	36.1	34.9	39.3	20.7	25.8	55.1	62.1
	1987	34.7	33.8	40.8	19.3	24.2	53.6	59.9
	1988	36.2	33.4	41.5	19.4	25.2	53.9	59.8
	1989	34.1	31.6	40.4	18.1	24.5	53.2	46.1
University and Fach- hochschule Entrance Qualification	1985	14.1	23.0	6.6	5.3	15.2	14.2	16.3
	1987	15.0	25.8	6.8	5.1	13.8	16.3	16.8
	1988	16.1	26.9	7.1	5.1	13.8	16.5	16.7
	1989	15.8	27.0	7.5	5.2	13.6	17.0	12.1
Basic Vocational training Year	1985	5.8	2.6	5.5	9.5	20.1	13.1	0.5
	1987	5.4	2.7	5.5	8.2	24.4	10.7	0.6
	1988	5.3	2.7	5.2	7.6	28.7	11.5	0.7
	1989	4.8	2.4	4.9	7.1	26.5	11.6	0.5
Vocational School	1985	10.8	16.6	6.2	7.5	4.7	6.0	10.6
	1987	10.4	16.0	6.0	7.1	5.4	8.0	11.2
	1988	10.7	16.0	6.2	7.0	4.8	7.9	9.7
	1989	10.6	16.6	5.9	6.5	4.6	7.7	8.2
Pre-vocational Training year	1985	0.7	0.3	1.0	1.4	0.2	0.1	0.3
	1987	0.7	0.3	0.9	1.6	0.4	0.1	0.1
	1988	0.7	0.3	0.8	1.5	0.5	0.1	0.3
	1989	0.6	0.3	0.7	1.4	0.6	0.1	0.2
Total Number	1985	1313794	508495	352726	230651	48549	71817	91466
	1987	1284886	507483	346426	205044	43315	71108	99716
	1988	1230441	486994	327056	194936	37003	66950	105450
	1989	1154360	459515	309746	178112	32412	61945	102423
Education Background not stated ⁴⁾	1985	4.8	1.5	1.5	2.5	9.1	1.1	30.4
	1987	3.5	1.3	1.5	3.1	2.8	0.8	20.3
	1988	3.9	1.4	1.8	3.0	3.9	0.5	21.1
	1989	4.1	1.7	1.9	3.3	4.1	0.4	20.8
Grand Total	1985	1379904	516397	358217	236684	53396	72620	131458
	1987	1331620	514352	351611	211552	44553	71675	125055
	1988	1280657	494086	333127	200980	38515	67310	133570
	1989	1203892	467598	315676	184207	33810	62213	129253

¹⁾ Including apprentices maritime shipping

²⁾ New training contracts only

³⁾ In urban areas

⁴⁾ Including apprentices with other educational background and those who did not state their educational background

Qualifying Examinations taken by Apprentices according to Training Sector and Laender (Thousands)

Year Land	Examination candidates (Total)							
	Total		of which in Training Sector					
			Industry and Commerce		Crafts		Agriculture	
	Total	Pas- sed	Total	Pas- sed	Total	Pas- sed	Total	Pas- sed
Federal Republic								
1960	•	•	284.6	248.5	164.5	150.4	13.5	13.5
1965	•	•	251.8	214.4	130.5	116.3	7.5	7.5
1970	•	•	282.6	246.5	130.2	113.3	17.3	17.3
1975	536.1	460.7	316.7	275.5	143.0	116.0	11.9	11.2
1976	551.7	477.1	297.0	263.7	173.1	139.8	13.3	12.4
1977	533.8	470.4	284.0	256.3	165.4	136.3	15.6	14.5
1978	539.0	483.6	287.6	262.3	169.4	145.5	17.5	16.1
1979	555.1	503.7	297.1	273.6	174.0	152.2	18.9	17.5
1980	623.7	567.3	325.3	300.2	208.1	182.8	21.2	19.8
1981	667.0	603.4	346.6	319.7	227.1	197.1	20.7	19.2
1982	693.7	620.4	358.0	326.3	240.7	206.4	20.1	18.8
1983	692.1	616.4	351.1	318.8	237.6	202.5	22.0	20.5
1984	677.5	604.8	349.1	319.0	221.8	187.8	23.3	21.7
1985	705.5	632.5	367.3	337.4	228.2	194.2	22.4	20.7
1986	750.9	675.0	394.9	362.4	239.3	204.8	24.0	22.3
1987	758.0	680.1	402.6	368.7	237.3	201.9	23.6	21.9
1988	719.5	643.1	398.8	362.9	221.5	188.8	22.4	20.4
1989	676.2	601.6	364.3	329.6	205.4	173.0	19.1	17.2
Laender 1989								
BW	97.7	92.4	54.2	51.7	28.7	26.4	2.6	2.5
BA	123.2	109.4	63.7	57.1	41.5	35.5	4.1	3.8
HE	56.2	49.6	31.5	28.3	15.2	12.4	1.4	1.3
NS	91.3	80.1	46.0	40.5	29.0	24.6	3.9	3.5
NW	186.2	163.8	104.7	94.6	53.3	43.4	3.8	3.3
RP	39.3	34.7	19.5	17.8	13.1	10.9	1.2	0.9
SL	11.5	10.0	6.0	5.4	3.7	3.0	0.3	0.2
SH	27.6	24.1	13.0	11.4	9.1	7.6	1.3	1.2
BE	15.1	12.4	8.3	7.1	4.4	3.3	0.2	0.2
BR	10.6	9.0	6.6	5.7	2.6	2.0	0.1	0.1
HA	17.7	16.1	10.9	10.1	4.6	3.8	0.2	0.2

Qualifying Examinations taken by Apprentices according to Training Sector and Laender (Thousands) (cont.)

Year Land	Examination candidates (Total)							
	Total		of which in Training Sector					
			Public Sector		Professions Professions		House-holds	
	Total	Pas- sed	Total	Pas- sed	Total	Pas- sed	Total	Pas- sed
Federal Republic								
1960	•	•	•	•	•	•	•	•
1965	•	•	•	•	•	•	•	•
1970	•	•	•	•	•	•	•	•
1975	20.4	18.3	39.4	35.3	4.0	3.8	0.7	0.6
1976	20.9	18.8	42.8	38.0	4.5	4.3	—	—
1977	16.8	16.0	46.0	41.7	5.5	5.2	0.4	0.3
1978	14.4	13.6	43.7	40.0	6.0	5.8	0.4	0.4
1979	16.1	15.2	41.9	38.6	6.6	6.3	0.5	0.4
1980	18.7	17.9	43.8	40.4	7.1	6.7	0.4	0.4
1981	19.5	18.7	46.6	42.6	6.1	5.7	0.5	0.4
1982	19.8	18.8	50.1	45.4	4.5	4.2	0.5	0.4
1983	21.5	20.5	53.5	48.4	5.7	5.4	0.5	0.4
1984	23.0	21.8	53.9	48.7	6.0	5.5	0.4	0.3
1985	25.2	23.7	55.3	50.2	6.6	6.1	0.4	0.4
1986	27.6	26.2	55.9	51.2	8.7	7.8	0.5	0.4
1987	28.2	26.8	54.6	50.1	11.2	10.3	0.4	0.3
1988	29.4	27.7	36.5	33.3	10.7	9.7	0.3	0.3
1989	27.5	26.2	49.9	46.6	9.5	8.6	0.5	0.4
Laender 1989								
BW	4.0	3.8	7.1	7.0	1.0	1.0	—	—
BA	3.2	3.0	8.9	8.2	1.9	1.9	—	—
HE	3.2	3.1	4.1	3.8	0.8	0.7	—	—
NS	4.9	4.7	6.2	5.8	1.1	1.0	0.1	0.0
NW	7.7	7.3	13.9	12.8	2.7	2.3	—	—
RP	1.5	1.4	3.1	2.9	1.0	0.9	—	—
SL	0.3	0.3	1.0	0.9	0.2	0.2	—	—
SH	1.2	1.2	2.3	2.2	0.5	0.5	0.2	0.2
BE	0.6	0.6	1.5	1.2	0.1	0.0	—	—
BR	0.3	0.3	0.7	0.7	0.1	0.1	0.1	0.1
HA	0.7	0.7	1.2	1.2	0.0	0.0	0.1	0.1

Vocational Education and Training

Qualifying Examinations taken by Apprentices according to Training Sector and Laender (Thousands)

Year Land	Examination candidates (Female)							
	of which in Training Sector							
	Total		Industry and Commerce		Crafts		Agriculture	
			Total	Pas- sed	Total	Pas- sed	Total	Pas- sed

Federal Republic

1978	215.6	194.6	124.5	111.8	33.5	29.6	4.7	4.4
1979	230.9	210.5	136.3	123.5	36.7	33.1	5.4	5.1
1980	260.4	238.4	153.1	139.2	45.7	41.7	6.2	5.9
1981	277.0	252.6	163.4	148.8	49.3	44.2	5.9	5.6
1982	286.7	258.1	169.8	152.0	51.3	45.8	4.9	4.6
1983	287.9	258.3	163.3	145.7	50.9	44.8	7.0	6.7
1984	284.6	255.9	160.1	144.1	48.5	42.1	7.6	7.3
1985	300.8	272.3	168.5	152.9	53.2	46.8	7.3	6.9
1986	324.4	293.8	184.4	166.8	57.1	50.5	7.7	7.2
1987	331.5	300.6	189.1	170.8	57.8	51.4	7.6	7.2
1988	310.7	279.5	186.6	166.8	57.9	51.5	7.1	6.7
1989	307.9	277.6	174.7	155.9	56.7	50.1	6.1	5.7

Laender 1989

BW	44.9	43.0	26.0	24.7	8.2	7.8	0.8	0.8
BA	56.0	50.6	31.6	28.0	11.3	10.4	1.4	1.3
HE	25.7	23.1	14.5	12.8	4.1	3.6	0.5	0.5
NS	42.0	37.1	24.0	20.7	7.4	6.4	1.2	1.1
NW	84.7	75.4	48.2	42.8	15.6	13.4	1.3	1.2
RP	17.5	15.9	9.4	8.6	3.4	3.0	0.3	0.2
SL	5.3	4.6	2.8	2.4	1.2	1.0	0.1	0.1
SH	12.6	11.1	6.7	5.8	2.3	1.9	0.3	0.3
BE	6.6	5.4	3.6	3.0	1.2	0.9	0.1	0.1
BR	4.6	3.9	2.7	2.3	0.8	0.7	0.0	0.0
HA	8.0	7.4	5.2	4.8	1.2	1.0	0.1	0.1

Vocational Education and Training

Qualifying Examinations taken by Apprentices according to Training Sector and Laender (Thousands) (cont.)

Year Land	Examination candidates (Female)							
	of which in Training Sector							
	Public Sector		Surgeries, Solicitor's Firms etc.		House holds		Maritime Shipping	
			Total	Pas- sed	Total	Pas- sed	Total	Pas- sed

Federal Republic

1978	5.4	5.0	41.5	38.0	6.0	5.8	—	—	1978
1979	5.8	5.5	40.1	37.0	6.6	6.3	0.01	0.01	1979
1980	7.3	7.0	40.9	37.9	7.1	6.6	0.00	0.00	1980
1981	7.7	7.3	44.8	40.9	6.1	5.7	—	—	1981
1982	8.1	7.7	48.1	43.7	4.5	4.2	0.02	0.02	1982
1983	9.5	9.1	51.5	46.6	5.7	5.4	0.01	0.01	1983
1984	10.6	10.0	51.8	46.8	5.9	5.5	—	—	1984
1985	12.1	11.4	53.2	48.3	6.6	6.0	—	—	1985
1986	13.1	12.4	53.6	49.0	8.7	7.8	0.01	0.01	1986
1987	13.5	12.9	52.3	48.1	11.2	10.2	0.01	0.01	1987
1988	14.1	13.4	34.4	31.4	10.7	9.7	0.00	0.00	1988
1989	13.2	12.7	47.9	44.8	9.4	8.5	0.01	0.01	1989

Laender 1989

1.9	1.9	6.9	6.8	1.0	1.0	—	—	BW
1.3	1.2	8.6	7.9	1.9	1.8	—	—	BA
1.9	1.8	3.9	3.6	0.8	0.7	—	—	HE
2.4	2.3	5.9	5.6	1.1	1.0	—	—	NS
3.6	3.5	13.3	12.2	2.7	2.3	—	—	NW
0.5	0.5	2.9	2.8	0.9	0.8	—	—	RP
0.1	0.1	0.9	0.9	0.2	0.2	—	—	SL
0.6	0.6	2.2	2.1	0.5	0.5	0.00	0.00	SH
0.4	0.3	1.4	1.1	0.1	0.0	—	—	BE
0.1	0.1	0.7	0.7	0.1	0.1	0.00	0.00	BR
0.4	0.4	1.1	1.1	0.0	0.0	0.00	0.00	HA

Definitions

Institutions of Higher Education

include all institutions (public and private) as defined in the higher education act of the Land concerned. Their aim is to foster and develop the sciences and the arts through research, teaching and studies and to prepare students for occupations which require the application of scientific knowledge and methods or creative ability in the artistic field. They include the following types of institution: universities, colleges of education, colleges of art and music and "Fachhochschulen" (cf. definition below).

Universities

include universities, technical universities, comprehensive universities, colleges of education and other institutions of similar standing (e.g. colleges of medicine, colleges of theology). They offer 4-to-5-year courses in academic disciplines.

Studies at a university, college of theology or college of education and some courses at comprehensive universities require the general or the subject-restricted university entrance qualification.

Comprehensive universities provide both university-type and "Fachhochschule"-type courses; some also offer courses in art. Courses can be integrated (short and long courses based on common introductory classes) or remain separated (in the case of co-operative comprehensive universities).

Colleges of education have the status of universities; the students at such colleges can be awarded doctor's degrees and in some cases, also "Habilitation". Their main purpose is the training of teachers. Colleges of education are independent institutions only in the Laender of Baden-Württemberg and Schleswig-Holstein. In most cases they are part of a university or comprehensive university and are shown under that category. Students normally take three or four year courses.

Colleges of theology include the institutions maintained by the Churches as well as the state-maintained colleges of philosophy and theology; they do not include the departments of theology at universities.

Colleges of Art and Music

offer courses in the visual arts, design, music, film and television. Entrance conditions vary; students may be accepted on proof of ability or after taking a qualifying examination. Courses last 4 to 5 years, as a rule.

"Fachhochschulen" (not including Colleges of Public Administration)

"Fachhochschulen" have developed from the former "Höhere Fachschule" and "Ingenieurschule". For entrance, a "Fachoberschule" certificate is required. By the successful conclusion of a "Fachhochschule" study course, the student also acquires the general entrance qualification for institutions of higher education (see definitions of schools on pages 26-27).

Colleges of Public Administration

are a special type of "Fachhochschulen" run by the public administration of the Federal Government and the Laender to provide training for young people who wish to pursue the medium-level non-technical career within the public sector.

Students

are enrolled full-time students. Students on sabbatical and guest students are not included.

New Entrants

are students in their first higher education semester at a university or other institution of higher education in the Federal Republic. The data refer to "study years". One study year is the summer and the following winter semester.

Semesters in Higher Education

are semesters during which the student was enrolled at a university or other institution of higher education. They have not necessarily been devoted to the subject the student is studying during the semester of the survey.

Subject-related Semesters

are semesters devoted to the subject for which the student is enrolled in the semester of the survey. They may include semesters devoted to other subjects or courses where these are credited for the examination course. The number of students in their first subject-related semester is higher than the number of first-year students because it includes students who have changed courses.

Final Examinations

are shown on the basis of information provided by the examination boards of the institutions of higher education and the state and church examining bodies.

A course of study at a university is normally concluded with a state examination (e.g. for the teaching profession), a university diploma examination or a master's examination.

Qualification for a doctor's degree in most cases requires a previous final qualification in higher education.

Definitions (cont.)

Staff

includes academic and artistic personnel as well as technical, administrative and other staff.

The academic and artistic personnel includes, in addition to teachers at an institution of higher education in the narrower sense (professors, senior lecturers etc.), persons with special teaching assignments, consultants, senior engineers, academic assistants and employees, persons for special teaching tasks (e.g. musical instruments, workshop activities), persons holding a part-time appointment, tutors and assistants who are no longer registered as students.

The technical staff includes, for example, engineers, technical assistants, technicians and craftsmen, while the administrative staff includes civil servants and employees in the central and faculty administrations and libraries; other staff includes nurses, porters, caretakers, gardeners and so on.

Field of Study

is a group of related subjects in which a complete course of study is possible under current examination regulations.

Group of Subjects

comprises several fields of study.

	Contents	
Institutions of Higher Education	according to Type of Institution and Laender	68
	Sequence according to Student Number	69
School-Leavers	according to Year of Entrance Qualification	
	First Year of Studies and Sex	86 to 87
Students/ New Entrants	according to Type of Institution of Higher Education	70 to 71
	Female	72 to 73
	Forecast according to Type of Institution of Higher Education	74 to 77
	in Percentage of the Population of the same Age	70 to 73
	according to Subject Group	78 to 79
	aiming at Qualification for the Teaching Profession	80 to 81
	abroad according to Country	92 to 93
	according to Type of Entrance Qualification and Type of Institution	82 to 85
German Students in their First University Semester	according to Type and Year of Entrance Qualification, Type of Higher Education Institution and Sex	82 to 83
	according to Father's Occupational Status and Type of Institution of Higher Education	88
	according to Type of Entrance Qualification and Type of Institution of Higher Education	89
Foreign Students	according to Type of Institution of Higher Education and Nationality	90 to 91
Examinations	according to Type of Examination and Laender	94
	Female	95
	Forecast according to Type of Institution of Higher Education	74 to 77
	according to Subject Group and Type of Examination	96
	Female	97
Staff	according to Rank and Type of Institution of Higher Education	98 to 101
	according to Type of Institution of Higher Education and Subject Group	102
Duration of Study	of German Students with Passed Examinations according to Type of Institution of Higher Education, Sex and Age	103

Institutions of Higher Education according to Type of Institution and Laender

Land	Winter Semester	Institutions of Higher Education						
		Total	of which					
			Comprehensive Universities	Universities	Colleges of Education	Colleges of Theology	Colleges of Art and Music	Colleges of Public Administration
BW	1975	56	—	9	10	—	7	28
	1989	60	—	9	6	1	7	31
BA	1975	28	4	7	—	2	5	10
	1989	32	—	11	—	3	5	12
HE	1975	22	1	4	—	4	3	10
	1989	24	1	5	—	3	3	8
NS	1975	21	—	8	1	—	2	10
	1989	24	—	10	—	—	2	11
NW	1975	39	6	9	3	3	4	11
	1989	48	—	16	—	6	6	16
RP	1975	8	—	3	1	1	—	3
	1989	14	—	6	—	2	—	3
SL	1975	5	—	1	1	—	1	2
	1989	6	—	1	—	—	2	2
SH	1975	9	—	2	2	—	1	4
	1989	11	—	2	2	—	1	5
BE	1975	11	—	2	1	1	1	5
	1989	11	—	3	—	1	1	5
BR	1975	7	—	1	—	—	—	6
	1989	5	—	1	—	—	1	2
HA	1975	7	—	3	—	—	2	2
	1989	9	—	4	—	—	2	2
BG	1975	213	11	49	19	11	26	94
	1980	229	9	55	13	11	26	95
	1981	234	9	55	13	12	26	96
	1982	234	9	56	13	11	26	94
	1983	238	9	57	13	15	26	94
	1984	238	9	58	13	15	26	95
	1985	241	8	59	11	15	26	98
	1986	242	7	61	10	16	28	99
	1987	244	7	61	9	16	28	99
	1988	243	1	67	8	16	29	98
	1989	244	1	68	8	16	30	97
of which Private Institutions of Higher Education								
	1989	49	—	5	—	16	—	28

Sequence of Institutions according to Student Number

Sequence number ¹⁾	Students in Winter Semester							
	1975	1980	1988	1989	1975	1980	1988	1989
	Thousands				Per Cent			

¹⁾ Sequence according to student numbers of the individual institutions of higher education

²⁾ 1975 = 116, 1980 = 114, 1988 = 121, 1989 = 123 (Universities and Colleges of Art and Music)

³⁾ 1975 = 94, 1980 = 95, 1988 = 98, 1989 = 97 (Fachhochschulen)

New Entrants according to Type of Institution of Higher Education

Year ¹⁾	New Entrants		of which			
	Total		Univer- sities	Colleges of Art and Music	Fachhochschulen	
	Thousands	Per Cent ²⁾			Total	of which Colleges of Public Adminis- tration
	Thousands	Per Cent ²⁾	Thousands			
German and Foreign						
1960	79.4	7.9	60.0	2.6	16.8	—
1965	85.7	13.3	61.3	2.5	21.9	—
1970	125.7	15.4	91.6	3.4	30.5	—
1975	166.6	19.5	119.9	2.8	43.8	1.4
1976	168.1	19.1	119.0	2.6	46.5	3.0
1977	165.5	18.3	118.2	2.7	44.5	3.6
1978	172.5	18.4	125.3	3.3	43.9	4.3
1979	177.7	18.2	125.2	3.0	49.6	7.8
1980	195.0	19.1	135.6	3.1	56.3	11.5
1981	216.6	20.9	151.5	3.0	62.1	11.1
1982	225.1	21.3	155.2	3.1	66.8	10.6
1983	233.0	21.5	160.1	2.9	69.9	9.7
1984	221.3	20.6	151.5	2.9	66.9	9.1
1985	207.7	19.5	141.3	3.0	63.4	9.9
1986	210.8	20.2	142.7	2.7	65.4	10.4
1987	229.7	22.9	155.7	2.7	71.3	11.5
1988	246.2	25.9	169.8	3.0	73.4	11.6
1989	252.6	29.1	171.9	2.9	77.8	12.0
German						
1960	74.2	7.9	55.6	2.3	16.3	—
1965	80.3	13.9	57.4	2.1	20.8	—
1970	119.8	15.9	87.5	2.9	29.4	—
1975	155.9	19.6	111.8	2.3	41.8	1.4
1976	157.4	19.0	110.8	2.1	44.5	3.0
1977	154.7	18.2	109.8	2.2	42.6	3.6
1978	161.4	18.3	116.9	2.6	41.9	4.3
1979	165.3	18.1	115.6	2.5	47.3	7.8
1980	183.2	19.5	126.3	2.6	54.2	11.5
1981	203.7	21.2	141.5	2.6	59.6	11.1
1982	211.9	21.6	145.0	2.6	64.3	10.6
1983	219.7	21.9	149.9	2.5	67.3	9.7
1984	207.0	20.8	140.1	2.4	64.4	9.1
1985	192.9	19.7	129.3	2.4	61.2	9.9
1986	196.7	20.5	131.2	2.3	63.2	10.4
1987	213.4	23.0	142.5	2.2	68.7	11.5
1988	227.4	26.1	154.5	2.4	70.6	11.6
1989	231.6	29.6	154.8	2.3	74.5	12.0

¹⁾ Summer and following winter semester²⁾ In per cent of the average number of people in the 19 to under 21 age-group

Students according to Type of Institution of Higher Education

Year ¹⁾	Students		of which			
	Total		Univer- sities	Colleges of Art and Music	Fachhochschulen	
	Thousands	Per Cent ²⁾			Total	of which Colleges of Public Adminis- tration
	Thousands	Per Cent ²⁾	Thousands			
Deutsche und Ausländer						
1960	291.1	4.3	238.4	8.5	44.2	—
1965	384.4	6.6	299.7	8.7	76.0	—
1970	510.5	9.5	410.1	10.9	89.5	—
1975	840.8	14.1	680.2	15.4	145.2	2.9
1976	877.3	14.7	705.0	15.3	157.1	5.1
1977	913.3	15.0	732.7	15.4	165.4	10.2
1978	945.9	15.2	756.9	16.2	172.8	13.4
1979	983.6	15.3	784.2	17.0	182.4	18.2
1980	1044.2	15.9	823.9	18.3	202.0	27.0
1981	1121.6	16.4	877.9	19.1	224.7	32.3
1982	1203.1	17.1	931.9	19.9	251.4	35.2
1983	1273.2	17.8	976.6	20.4	276.1	34.5
1984	1314.2	18.0	1001.1	21.0	292.1	33.4
1985	1338.0	18.1	1015.1	21.7	301.3	32.4
1986	1367.7	18.3	1033.2	22.0	312.5	33.1
1987	1410.8	19.1	1060.0	22.2	328.6	35.4
1988	1470.7	20.7	1104.5	23.2	343.1	36.9
1989	1509.0	21.5	1128.3	23.4	357.3	38.6
Deutsche						
1960	269.3	4.2	218.6	7.7	43.0	—
1965	357.8	6.8	276.9	7.6	73.3	—
1970	482.1	10.0	386.8	9.4	85.9	—
1975	792.1	14.7	640.9	13.1	138.0	2.9
1976	827.4	15.1	665.1	13.1	149.2	5.1
1977	862.1	15.4	691.4	13.2	157.4	10.2
1978	893.7	15.6	715.5	14.0	164.2	13.4
1979	927.0	15.7	739.1	14.7	173.2	18.2
1980	986.3	16.2	777.7	16.0	192.6	27.0
1981	1059.6	16.9	828.7	16.8	214.1	32.3
1982	1136.9	17.6	879.4	17.5	240.0	35.2
1983	1203.6	18.2	921.9	18.1	263.5	34.5
1984	1242.2	18.5	944.8	18.7	278.8	33.4
1985	1263.7	18.6	956.9	19.3	287.5	32.4
1986	1290.5	18.9	972.5	19.7	298.3	33.1
1987	1329.8	19.5	996.4	19.8	313.6	35.4
1988	1384.0	20.8	1036.2	20.7	327.0	36.9
1989	1417.1	22.2	1056.0	20.8	340.3	38.6

¹⁾ Winter semester²⁾ In per cent of the population aged 19 to under 26

New Female Entrants according to Type of Institution of Higher Education

Year ¹⁾	New Female Entrants					
	Total		of which			
			Univer- sities	Colleges of Art and Music	Fachhochschulen	
	Total	of which Colleges of Public Adminis- tration				
Thousands					Per Cent ²⁾	Thousands
German and Foreign						
1960	21.5	4.4	20.4	1.0	0.1	—
1965	25.6	8.1	24.4	1.0	0.2	—
1970	36.7	9.1	34.9	1.3	0.5	—
1975	61.0	14.6	49.2	1.3	10.5	0.4
1976	58.2	13.5	45.7	1.1	11.4	1.1
1977	64.2	14.6	50.4	1.3	12.5	1.4
1978	68.7	15.1	53.7	1.5	13.5	1.8
1979	69.1	14.5	51.9	1.4	15.8	3.0
1980	78.1	15.8	58.8	1.4	17.9	4.3
1981	90.0	17.9	68.5	1.4	20.1	4.5
1982	90.9	17.7	68.3	1.5	21.1	4.3
1983	88.0	16.8	66.0	1.5	20.6	3.9
1984	85.0	16.3	63.9	1.4	19.7	3.8
1985	82.5	16.0	61.2	1.5	19.8	4.3
1986	84.7	16.6	62.4	1.3	20.9	4.6
1987	92.4	18.9	67.9	1.4	23.2	5.5
1988	98.2	21.3	74.0	1.6	22.7	5.3
1989	99.9	23.6	74.8	1.6	23.5	5.5
German						
1960	20.7	4.4	19.7	0.9	0.1	—
1965	24.5	8.4	23.5	0.8	0.2	—
1970	35.1	9.4	33.6	1.1	0.5	—
1975	57.2	14.7	45.9	1.0	10.3	0.4
1976	54.4	13.5	42.3	0.9	11.2	1.1
1977	60.3	14.5	47.0	1.1	12.2	1.4
1978	64.5	15.0	50.0	1.2	13.3	1.8
1979	64.5	14.5	47.9	1.1	15.4	3.0
1980	73.7	16.0	55.0	1.2	17.5	4.3
1981	85.3	18.2	64.4	1.2	19.7	4.5
1982	85.8	17.9	64.0	1.3	20.6	4.3
1983	82.9	17.0	61.6	1.2	20.1	3.9
1984	79.2	16.3	58.9	1.2	19.2	3.8
1985	76.3	16.0	55.8	1.2	19.3	4.3
1986	78.6	17.4	57.1	1.1	20.3	4.6
1987	85.4	18.9	61.8	1.1	22.4	5.5
1988	90.1	21.2	66.9	1.2	22.0	5.3
1989	90.8	23.7	67.0	1.2	22.6	5.5

¹⁾ Summer and following winter semester²⁾ In per cent of the average number of people in the 19 to under 21 age-group

Female Students according to Type of Institution of Higher Education

Year ¹⁾	Female Students					
	Total		of which			
			Univer- sities	Colleges of Art and Music	Fachhochschulen	
	Total	of which Colleges of Public Adminis- tration				
Thousands					Per Cent ²⁾	Thousands
German and Foreign						
1960	70.1	2.1	66.6	3.2	0.4	—
1965	96.8	3.4	92.6	3.4	0.8	—
1970	132.5	5.1	126.5	4.0	1.6	—
1975	283.2	9.6	243.6	6.5	33.1	0.9
1976	294.2	10.0	251.3	6.5	36.4	1.8
1977	314.2	10.5	266.8	6.8	40.6	3.6
1978	334.1	11.0	281.3	7.3	45.5	4.9
1979	354.1	11.4	295.1	7.7	51.3	6.9
1980	383.2	11.9	315.2	8.5	59.6	10.3
1981	421.9	12.8	345.4	8.9	67.5	12.4
1982	458.4	13.5	373.3	9.4	75.7	13.8
1983	482.0	14.2	391.2	9.8	81.0	13.7
1984	496.1	14.0	401.3	10.2	84.6	13.3
1985	506.6	14.1	409.0	10.6	87.0	13.3
1986	518.4	14.3	417.3	10.9	90.2	13.9
1987	536.3	14.9	429.4	11.0	95.8	15.7
1988	561.6	16.0	449.8	11.7	100.2	16.6
1989	577.1	17.0	461.0	12.0	104.1	17.5
German						
1960	67.8	2.1	64.5	2.9	0.4	—
1965	93.3	3.5	89.3	2.9	0.8	—
1970	126.3	5.3	121.4	3.4	1.5	—
1975	269.8	10.3	232.1	5.4	32.3	0.9
1976	280.4	10.5	239.5	5.5	35.4	1.8
1977	299.8	11.0	254.4	5.8	39.6	3.6
1978	319.1	11.4	268.4	6.2	44.5	4.9
1979	337.5	11.7	280.9	6.5	50.1	6.9
1980	365.9	12.3	300.3	7.3	58.3	10.3
1981	403.4	13.2	329.7	7.8	66.0	12.4
1982	438.3	13.9	356.2	8.2	73.9	13.8
1983	460.6	14.3	373.0	8.6	79.0	13.7
1984	473.6	14.4	382.2	9.0	82.4	13.3
1985	482.9	14.5	388.9	9.4	84.5	13.3
1986	493.2	14.8	395.9	9.6	87.6	13.9
1987	509.2	15.3	406.5	9.8	92.9	15.7
1988	531.9	16.4	424.7	10.3	96.9	16.6
1989	545.1	17.5	434.1	10.6	100.5	17.5

¹⁾ Winter semester²⁾ In per cent of the population aged 19 to under 26

Estimated Number of Persons Qualified To Enter Higher Education and of New Entrants according to Type of Institution of Higher Education (Thousands)

Year	Persons Qualified for Higher Education			New Entrants		
	Total	of which holding		Total	of which at	
		University Entrance Qualification ¹⁾	Fachhochschule Entrance Qualification		Universities and Colleges of Art and Music	Fachhochschulen

Forecast (Estimate by the Standing Conference of Ministers of Education of the Laender; KMK Documentation 106²⁾)

1990	264	197	67	222-247	153-170	69-77
1991	246	183	63	213-236	146-163	66-73
1992	226	166	60	200-222	138-153	63-69
1993	216	159	57	190-211	131-145	59-66
1994	214	159	54	183-203	127-140	57-63
1995	212	159	53	180-199	124-138	55-61
1996	215	163	52	179-198	125-138	55-60
1997	215	163	52	180-199	125-139	54-60
1998	213	161	52	179-199	125-139	54-60
1999	221	168	53	181-201	127-141	55-60
2000	227	174	53	185-204	129-143	55-61
2001	227	174	53	187-207	131-145	56-62
2002	225	172	53	188-208	132-146	56-62
2003	222	169	53	187-207	131-145	56-62
2004	222	169	53	186-206	130-145	56-62
2005	227	173	54	187-207	131-145	56-62
2006	231	177	54	189-209	132-147	56-62
2007	234	180	55	191-212	134-149	57-63
2008	236	181	55	194-215	136-151	58-64
2009	237	182	55	195-216	137-152	58-64
2010	238	183	55	196-217	138-153	58-64

¹⁾ Including subject-restricted university entrance qualification

²⁾ The calculations for the forecast of the future number of new entrants assume that 70 to 80 per cent of the school-leavers qualified will in fact enter higher education

Estimated Number of Students and Graduates according to Type of Institution of Higher Education (Thousands)

Year	Students			Examination Passed (Graduates)		
	Total	of which at		Total	of which at	
		Universities and Colleges of Art and Music	Fachhochschulen		Universities and Colleges of Art and Music	Fachhochschulen

Forecast (Estimate by the Standing Conference of Ministers of Education of the Laender; KMK Documentation 106 – Calculation based on present trends³⁾)

1990	1507-1555	1165-1198	342-357	131 ²⁾	79	52
1991	1513-1580	1172-1217	341-363	153	96	57
1992	1496-1581	1158-1216	337-365	164-165	108	56-57
1993	1457-1560	1134-1202	323-358	177-176	113-114	64 ³⁾ -62
1994	1408-1519	1099-1176	309-343	182-190	121-123	60-67
1995	1377-1493	1081-1165	296-328	164-173	105-107	59-66
1996	1336-1456	1052-1140	284-315	173-184	116-121	57-63
1997	1318-1439	1042-1134	276-306	153-166	99-106	54-60
1998	1290-1429	1019-1129	271-300	162-160	111-104	51-57
1999	1268-1406	1000-1109	268-297	156-174	109-120	49-54
2000	1254-1390	986-1093	268-297	153-170	106-118	47-53
2001	1246-1380	976-1082	270-298	150-167	104-115	47-52
2002	1243-1376	972-1077	271-300	146-161	99-110	46-51
2003	1243-1377	971-1076	272-302	141-156	95-105	46-51
2004	1246-1379	972-1077	274-303	139-153	92-102	47-52
2005	1251-1386	977-1082	274-303	137-151	90-99	47-52
2006	1257-1393	982-1089	275-304	138-152	90-100	48-53
2007	1264-1400	988-1095	276-306	139-154	91-101	48-53
2008	1274-1412	996-1104	278-308	138-153	91-101	48-53
2009	1285-1424	1004-1114	280-310	138-153	91-101	48-53
2010	1294-1435	1012-1122	282-312	140-155	92-102	48-53

¹⁾ The calculations for the status quo forecast are based on the assumption that students will continue to spend an average of 14.7 semesters at universities and an average of 9.3 semesters at Fachhochschulen.

²⁾ The decrease is the result of the smaller numbers of new entrants in 1984 and 1985

³⁾ The extremely high number of graduates is the result of an increase in the number of new entrants in 1987 and 1988 and of an assumed simultaneous shortening of study periods.

Estimated Number of Students and Graduates according to Type of Institution of Higher Education (Thousands)

Year	Students			Examination Passed (Graduates)		
	Total	of which at		Total	of which at	
		Universities and Colleges of Art and Music	Fachhochschulen		Universities and Colleges of Art and Music	Fachhochschulen

Forecast (Estimate by the Standing Conference of Ministers of Education of the Laender; KMK Documentation 106 – Target-based calculation¹⁾)

1990	1500–1547	1165–1198	335–350	130 ²⁾	79	50
1991	1458–1525	1164–1210	294–315	195	103	91 ³⁾
1992	1427–1510	1141–1198	286–313	175–176	118	58–59
1993	1384–1481	1111–1178	273–303	178–181	119–120	59–61
1994	1339–1483	1078–1152	261–290	176–185	119–122	57–63
1995	1311–1420	1061–1142	250–277	159–168	104–107	55–61
1996	1130–1244	889–976	241–267	159–170	107–111	53–59
1997	1101–1217	866–957	235–260	161–173	111–118	50–55
1998	1076–1192	845–936	231–256	157–171	110–119	48–53
1999	1061–1175	831–921	230–254	150–166	104–115	46–51
2000	1054–1168	824–913	230–255	145–160	100–111	45–50
2001	1054–1167	823–911	231–256	140–156	96–106	44–49
2002	1058–1172	825–914	233–258	137–152	93–103	44–49
2003	1062–1177	828–918	234–259	135–150	91–101	44–49
2004	1066–1181	832–922	235–260	135–149	90–100	45–50
2005	1071–1186	836–926	235–260	135–150	90–100	45–50
2006	1076–1192	840–932	236–261	136–151	91–101	45–50
2007	1083–1120	846–938	237–262	137–152	91–101	46–50
2008	1091–1209	853–945	239–264	138–152	92–102	45–50
2009	1099–1219	859–952	241–266	138–153	93–103	45–50
2010	1107–1227	864–959	243–268	140–155	94–104	46–51

¹⁾ The target-based forecast assumes that the average duration of studies can be reduced to 12.5 semesters at universities and to 8 semesters at Fachhochschulen.

²⁾ The decrease is the result of the smaller number of new entrants in 1984 and 1985.

³⁾ The extremely high number of graduates is the result of an increase in the number of new entrants in 1987 and 1988 and of an assumed simultaneous shortening of study periods.

Estimated Number of Students and Graduates according to Type of Institution of Higher Education (Thousands)

Year	Students			Examination Passed (Graduates)		
	Total	of which at		Total	of which at	
		Universities and Colleges of Art and Music	Fachhochschulen		Universities and Colleges of Art and Music	Fachhochschulen

Forecast (Estimate by the Standing Conference of Ministers of Education of the Laender; KMK Documentation 106 – Approximation Calculation¹⁾)

1990	1507–1554	1165–1198	341–357	130 ²⁾	79	50
1991	1507–1575	1171–1217	336–358	195	103	91 ³⁾
1992	1482–1567	1155–1212	327–354	176	118	58
1993	1435–1537	1128–1195	308–342	178	119	59
1994	1381–1489	1091–1167	290–322	176	119	57
1995	1344–1457	1071–1154	273–303	159	104	55
1996	1213–1329	954–1042	258–286	159	107	53
1997	1166–1284	918–1010	247–274	161	111	50
1998	1118–1240	879–975	239–265	157	110	48
1999	1082–1198	848–940	234–259	150	104	46
2000	1054–1168	824–913	230–255	145	100	45
2001	1054–1167	823–911	231–256	140	96	44
2002	1058–1172	825–914	233–258	137	93	44
2003	1062–1177	828–918	234–259	135	91	44
2004	1066–1181	832–922	235–260	135	90	45
2005	1071–1186	836–926	235–260	135	90	45
2006	1076–1192	840–932	236–261	136	91	45
2007	1083–1200	846–938	237–262	137	91	46
2008	1091–1209	852–945	239–264	138	92	45
2009	1099–1219	859–952	241–266	138	93	45
2010	1107–1227	864–959	243–268	140	94	46

¹⁾ This approximated forecast is based on the assumption that it will be possible to achieve a gradual, linear shortening of the average duration of academic studies to a mean value somewhere between 12.5 and 14.7 semesters at universities and 8.0 and 9.3 at Fachhochschulen.

²⁾ The decrease is the result of the smaller number of new entrants in 1984 and 1985.

³⁾ The extremely high number of graduates is the result of an increase in the number of new entrants in 1987 and 1988 and of an assumed simultaneous shortening of study periods.

Students and New Entrants according to Subject Group, Type of Institution of Higher Education and Sex

Year ¹⁾		Students and New Entrants (German and Foreign)							
		Total ²⁾		of which					
				Langu- ages, Arts, Sports	Econ- omics, Social Sciences	Mathe- matics, Science			
		St	NE	St	NE	St	NE	St	NE
Universities and Colleges of Art and Music									
1975	Total	695548	122751	222631	39658	145878	24853	136078	25992
	Female	250060	50495	123058	23560	35099	7659	44025	9462
1980	Total	842207	138696	256754	40960	188252	33251	153752	26137
	Female	323635	60204	145001	25842	55681	11903	52258	10310
1985	Total	1036774	144228	289441	37804	250050	36022	191581	29922
	Female	419642	62694	172166	25157	86383	14093	62465	10714
1988	Total	1127627	172843	298350	42470	288759	49880	214395	34916
	Female	461469	75520	181311	28817	103750	19905	69366	12681
1989	Total	1151260	174724	302083	45797	293793	44964	223381	36338
	Female	473000	76407	185577	31096	105689	17162	72654	13260
Fachhochschulen									
1975	Total	142209	43819	2743	925	49032	15150	3277	999
	Female	33142	10545	1796	613	19330	6161	565	223
1980	Total	202003	56307	2846	749	83550	26616	6281	1691
	Female	59563	17912	2042	553	38051	12083	1508	464
1985	Total	301268	63439	4663	942	109584	25772	14399	3024
	Female	87007	19787	3638	729	49908	12553	3110	677
1988	Total	343111	73406	5109	1040	126557	29425	19483	4340
	Female	100158	22690	3999	822	58162	14381	4382	1107
1989	Total	356981	77744	5130	1130	130598	30097	22488	5038
	Female	103943	23473	3392	860	60364	14811	5138	1262
All Institutions of Higher Education									
1975	Total	840757	166570	225374	40583	194910	40003	139355	26991
	Female	283202	61040	124854	24173	54429	13820	44590	9685
1980	Total	1044210	195003	259600	41709	271802	59867	160033	27828
	Female	383198	78116	147043	26395	93732	23986	53766	10774
1985	Total	1338042	207675	294104	38746	359634	61794	205980	32946
	Female	506649	82481	175804	25886	136291	26646	65575	11391
1988	Total	1470738	246249	303459	43510	415316	79305	233878	39256
	Female	561627	98210	185310	29639	161912	34286	73748	13788
1989	Total	1509036	252589	307213	46927	424391	75061	245869	41376
	Female	577051	99909	189569	31956	166053	31973	77792	14522

¹⁾ Students-winter semester; New Entrants-summer semester and following winter semester

²⁾ Including those for whom no data are available

St = Students

NE = New Entrants

Students and New Entrants according to Subject Group, Type of Institution of Higher Education and Sex (cont.)

Year ¹⁾		Students and New Entrants (German and Foreign)							
				of which					
				Engin- eering	Medicine	Agri- culture, Forestry, Food	Art		
		St	NE	St	NE	St	NE	St	NE
Universities and Colleges of Art and Music									
	85017	15237	56565	5846	14481	3033	34898	8132	Total 1975
	5474	1160	16468	2043	7079	1670	18857	4941	Female
	94830	15774	83963	10975	21688	4265	42593	7134	Total 1980
	7784	1501	29576	4457	9886	2053	23267	4040	Female
	125143	19634	102841	9636	25226	4097	52098	6939	Total 1985
	13506	2023	43090	4336	11757	2021	30052	4240	Female
	139280	23036	106930	11536	24812	3684	54766	7146	Total 1988
	16208	2600	46819	5168	11538	1804	32308	4445	Female
	145842	25134	105866	11409	24446	3590	55632	7304	Total 1989
	17427	3095	46900	5299	11472	1804	33160	4576	Female
Fachhochschulen									
	78280	23110	—	—	3848	1625	8029	2010	Total 1975
	6202	1939	—	—	1209	529	4040	1080	Female
	92025	23109	—	—	6973	1926	10328	2216	Total 1980
	9492	2763	—	—	2904	773	5566	1276	Female
	149340	29425	—	—	10057	2290	13225	1986	Total 1985
	18190	3658	—	—	4677	1044	7484	1126	Female
	167127	34264	—	—	11065	2522	13628	1769	Total 1988
	20611	4231	—	—	5191	1119	7722	999	Female
	174112	37040	—	—	11290	2596	13363	1842	Total 1989
	21531	4370	—	—	5267	1066	7651	1103	Female
All Institutions of Higher Education									
	163297	38347	56565	5846	18329	4658	42927	10142	Total 1975
	11676	3099	16468	2043	8288	2199	22897	6021	Female
	186855	38883	83963	10975	28661	6191	52921	9350	Total 1980
	17276	4264	29576	4457	12790	2826	28833	5316	Female
	274483	49059	102841	9636	35283	6387	65323	8925	Total 1985
	31696	5681	43090	4336	16434	3065	37536	5366	Female
	306407	57300	106930	11536	35877	6206	68394	8915	Total 1988
	36819	6831	46819	5168	16729	2923	40030	5444	Female
	319954	62174	105866	11409	35736	6186	68995	9146	Total 1989
	38958	7465	46900	5299	16739	2870	40811	5679	Female

Students and New Entrants aiming at a Qualification for the Teaching Profession at Universities and Colleges of Art and Music according to Subject Group and Sex

Year ¹⁾		Students and New Entrants (German and Foreign)							
		Total ²⁾		of which					
				Langu- ages, Arts, Sports		Econ- omics, Social Sciences		Mathe- matics, Science	
		St	NE	St	NE	St	NE	St	NE
Students aiming at a Teaching Qualification									
Number									
1975	Total	243918	40404	144142	24699	13486	1579	58481	9288
	Female	130143	23773	85109	15408	4315	672	27005	4596
1980	Total	213977	28909	127577	17683	14091	1697	47517	6177
	Female	120501	18763	78041	12063	5656	880	23621	3694
1985	Total	138569	11462	87443	6826	8342	735	23980	2140
	Female	84519	7996	56173	4996	3983	416	12974	1412
1988	Total	114762	18790	73405	11763	5459	760	19551	4014
	Female	73236	13451	49266	8796	2621	483	11148	2653
1989	Total	121599	22750	76807	13935	5810	1030	21956	5197
	Female	79138	16230	52621	10463	2933	627	12835	3422
Prozent ³⁾									
1975	Total	35.1	32.9	64.8	62.3	9.3	6.4	43.0	35.7
	Female	52.1	47.1	69.2	65.4	12.3	8.8	61.3	48.6
1980	Total	25.4	20.8	49.8	43.2	7.5	5.1	30.9	23.6
	Female	37.2	31.2	53.8	46.7	10.2	7.4	45.2	35.8
1985	Total	13.4	8.0	30.2	18.1	3.3	2.0	12.5	7.2
	Female	20.1	12.8	32.6	19.9	4.6	3.0	20.8	13.2
1988	Total	10.2	10.9	24.6	27.7	1.9	1.5	9.1	11.5
	Female	15.9	17.8	27.2	30.5	2.5	2.4	16.1	20.9
1989	Total	10.6	13.0	25.4	30.4	2.0	2.3	9.8	14.3
	Female	16.7	21.2	28.4	33.6	2.8	3.7	17.7	25.8

¹⁾ Students-winter semester; New Entrants – summer semester and following winter semester

²⁾ Including those for whom no data are available

³⁾ In per cent of the total number of students at universities and colleges of art and music

St = Students

NE = New Entrants

Students and New Entrants aiming at a Qualification for the Teaching Profession at Universities and Colleges of Art and Music According to Subject Group and Sex (cont.)

Year ¹⁾		Students and New Entrants (German and Foreign)							
				of which					
				Engin- eering		Medicine		Agri- culture, Forestry, Food	
								Art	
		St	NE	St	NE	St	NE	St	NE
Students aiming at a Teaching Qualification									
Number									
1975	Total	7094	679	—	—	3233	794	17482	3365
	Female	234	26	—	—	3082	741	10398	2330
1980	Total	5621	447	—	—	3228	493	15780	2400
	Female	739	115	—	—	2818	441	9546	1561
1985	Total	2644	234	—	—	2180	247	13850	1268
	Female	713	76	—	—	1846	209	8750	879
1988	Total	2597	408	—	—	1717	240	12009	1605
	Female	820	157	—	—	1432	196	7935	1166
1989	Total	2904	503	—	—	1711	248	12398	1837
	Female	962	189	—	—	1442	212	8338	1317
Per Cent ³⁾									
1975	Total	8.4	4.5	—	—	22.3	26.2	50.1	41.4
	Female	4.3	2.3	—	—	43.5	93.3	55.2	47.2
1980	Total	5.9	2.8	—	—	14.3	11.6	37.1	33.6
	Female	9.5	7.7	—	—	27.2	21.5	41.0	38.6
1985	Total	2.1	1.2	—	—	8.7	6.0	26.6	18.3
	Female	5.3	3.8	—	—	15.7	10.4	29.1	20.7
1988	Total	1.9	1.8	—	—	6.9	6.5	21.9	22.5
	Female	5.1	6.0	—	—	12.4	10.9	24.6	26.2
1989	Total	2.0	2.0	—	—	7.0	6.9	22.3	25.2
	Female	5.5	6.1	—	—	12.6	11.8	25.1	28.8

New German and Foreign Entrants according to Type of Entrance Qualification (EQ) and Type of Institution

Year ¹⁾	Nationality	New German and Foreign Entrants						
		Total	Holding an Entrance Qualification Acquired (within the Federal Republic) at					
			Grammar Schools	Comprehensive Schools	Specialized Grammar Schools	Fachhochschulen	Evening Grammar School, Adult Education Colleges	
		Thousands	Per Cent					
Universities and Colleges of Art and Music								
1987	D	123.0	82.0	3.0	5.5	2.9	2.7	
	A	10.9	23.3	1.2	2.1	1.2	0.8	
1988	D	133.6	80.8	3.0	5.4	3.2	2.4	
	A	12.4	23.2	1.3	2.1	1.0	0.8	
1989	D	133.9	80.4	2.9	5.6	3.5	2.6	
	A	13.8	22.9	1.3	2.1	1.0	0.8	
Fachhochschulen								
1987	D	55.8	42.5	1.2	6.3	37.6	2.1	
	A	2.2	20.9	1.0	3.1	30.2	2.7	
1988	D	57.1	40.1	1.2	5.6	39.0	2.2	
	A	2.3	18.3	1.2	3.5	33.9	1.9	
1989	D	60.1	38.3	1.2	5.6	40.2	2.5	
	A	2.6	19.6	0.9	3.6	29.2	2.4	
All Institutions of Higher Education								
Male and Female								
1987	D	178.8	69.7	2.4	5.7	13.7	2.5	
	A	13.1	22.9	1.2	2.2	6.0	1.1	
1988	D	190.7	68.6	2.5	5.5	13.9	2.3	
	A	14.7	22.5	1.3	2.3	6.1	1.0	
1989	D	194.1	67.3	2.3	5.6	14.8	2.6	
	A	10.4	22.4	1.2	2.3	5.4	1.0	
Female								
1987	D	72.4	77.9	2.8	4.2	6.8	2.8	
	A	5.6	22.6	1.1	1.8	2.6	0.9	
1988	D	76.4	77.0	2.9	4.4	6.6	2.6	
	A	6.3	21.8	1.1	1.7	2.3	0.9	
1989	D	76.7	76.4	2.7	4.5	6.7	3.0	
	A	7.0	22.0	1.3	1.6	2.1	0.9	

G = Germans; F = foreigners; EQ = entrance qualification

¹⁾ Winter semester

New German and Foreign Entrants according to Type of Entrance Qualification (EQ) and Type of Institution (cont.)

New German and Foreign Entrants							Nationality	Year ¹⁾
Holding an Entrance Qualification Acquired (within the Federal Republic) at			Altogether	Holding an EQ ²⁾	Cases where no data are available			
Trade and Technical Schools, Specialized Academies	Tests for the Highly Gifted	other Entrance Qualification					Acquired outside the Federal Republic	
Per Cent								
Universities and Colleges of Art and Music								
0.4	0.4	2.2	99.1	0.9	0.0	D	1987	
0.1	0.2	4.5	33.3	62.6	4.0	A		
0.5	0.3	3.4	99.0	0.9	0.0	D		
0.2	0.5	4.8	33.8	62.9	3.2	A	1988	
0.5	0.3	3.1	98.8	1.2	0.0	D	1989	
0.2	0.4	4.4	33.1	63.9	3.0	A		
Fachhochschulen								
4.6	0.4	4.4	99.0	0.8	0.2	D	1987	
3.4	0.3	11.0	72.5	26.6	0.9	A		
4.6	0.4	5.4	98.5	1.2	0.3	D	1988	
3.4	0.1	10.5	72.7	26.2	1.1	A		
5.4	0.4	5.3	98.8	0.9	0.3	D	1989	
3.7	0.3	9.2	68.8	30.2	0.9	A		
All Institutions of Higher Education								
Male and Female								
1.7	0.4	2.9	99.1	0.9	0.1	D	1987	
0.6	0.3	5.5	39.8	56.7	3.5	A		
1.7	0.3	4.0	98.9	1.0	0.1	D	1988	
0.7	0.4	5.7	39.9	57.2	2.9	A		
2.0	0.3	3.8	98.8	1.1	0.1	D	1989	
0.8	0.4	5.1	38.7	58.7	2.7	A		
Female								
1.5	0.5	2.6	99.1	0.9	0.1	D	1987	
0.5	0.3	4.9	34.5	62.0	3.5	A		
1.4	0.4	3.6	98.9	1.0	0.1	D	1988	
0.7	0.4	4.8	33.7	63.6	2.8	A		
1.6	0.4	3.3	98.7	1.2	0.1	D	1989	
0.5	0.4	4.5	33.4	63.8	2.8	A		

New German Entrants in 1989¹⁾ according to Type and Year of Entrance Qualification (EQ), Type of Higher Education Institution and Sex

Year in which Entrance Qualification was Acquired	German New Entrants						
	Total		Holding an Entrance Qualification Acquired (within the Federal Republic) at				
	Number	Per Cent	Number	Grammar Schools	Comprehensive Schools	Specialized Grammar Schools	Evening Grammar Schools/Adult Education Colleges
Universities and Colleges of Art Male and Female							
1989	52860	39.5	41884	1682	2784	2362	2044
1988	34558	25.8	28508	750	2016	1086	731
1987	20255	15.1	16775	625	1229	463	325
1986	10349	7.7	8331	294	593	215	139
1985 ²⁾	15910	11.9	12128	485	915	498	281
Total ³⁾	133939	100.0	107628	3836	7537	4624	3520
Female							
1989	34091	58.5	28962	1086	1404	545	1111
1988	8643	14.8	6795	280	378	104	386
1987	4684	8.0	3838	133	214	52	143
1986	4146	7.1	3428	137	187	56	73
1985 ²⁾	6738	11.6	5268	203	327	132	142
Total ³⁾	58307	100.0	48293	1839	2510	889	1855
Fachhochschulen Male and Female							
1989	24454	40.7	6818	155	1076	12463	718
1988	13896	23.1	4589	114	751	6457	395
1987	7685	12.8	3711	128	582	2341	158
1986	4257	7.1	2346	95	260	1013	93
1985 ²⁾	9765	16.2	5547	215	717	1893	110
Total ³⁾	60116	100.0	23014	708	3386	24169	1474
Female							
1989	9074	49.4	4597	95	395	2761	247
1988	2981	16.2	1720	50	121	619	116
1987	1817	9.9	1219	29	150	224	27
1986	1556	8.5	1032	34	68	222	25
1985 ²⁾	2935	16.0	1710	60	175	445	37
Total ³⁾	18375	100.0	10279	268	909	4271	452

¹⁾ Winter semester. — ²⁾ Including previous age groups. — ³⁾ Including cases where no data are available

New German Entrants in 1989¹⁾ according to Type and Year of Entrance Qualification (EQ), Type of Higher Education Institution and Sex (cont.)

German New Entrants							Year in which Entrance Qualification was Acquired
Holding an Entrance Qualification Acquired (within the Federal Republic) at			Altogether	Holding an EQ Acquired outside the Federal Republic	Cases where no data are available		
Trade and Technical Sch., Full-time Vocat. Schools, Specialized Academies	Tests for the Highly Gifted	Other Entrance Qualification					
Number							
Universities and Colleges of Art Male and Female							
221	245	1309	52531	320	9	1989	
120	55	1077	34343	208	7	1988	
87	25	529	20058	196	1	1987	
76	13	528	10189	154	6	1986	
174	32	667	15180	725	5	1985 ²⁾	
678	370	4110	132303	1603	33	Total ³⁾	
Female							
95	155	566	33924	160	7	1989	
39	25	548	8555	85	3	1988	
28	6	192	4606	78	—	1987	
36	4	137	4058	82	6	1986	
71	18	271	6432	304	2	1985 ²⁾	
269	208	1714	57577	709	21	Total ³⁾	
Fachhochschulen Male and Female							
1257	186	1548	24221	176	57	1989	
654	19	801	13780	82	34	1988	
417	7	277	7621	59	5	1987	
254	2	141	4204	49	4	1986	
671	4	399	9556	203	6	1985 ²⁾	
3254	218	3172	59395	570	151	Total ³⁾	
Female							
352	91	434	8972	70	32	1989	
117	11	186	2940	27	14	1988	
99	4	48	1800	15	2	1987	
101	1	49	1532	22	2	1986	
327	3	99	2856	77	2	1985 ²⁾	
996	110	819	18104	211	60	Total ³⁾	

EQ = entrance qualification

German School-Leavers Qualified to Enter Higher Education according to Year of Entrance Qualification (EQ), First Year of Studies and Sex

Year in which EQ was ac- quired	German School-Lea- vers Quali- fied to Enter Higher Education	Higher Education Studies were Taken up						
		in the Year	One Year	Two Years	Three Years	Four Years	Five or More Years	Total of New Entrants
		of/after Acquiring the Entrance Qualification						
		Thousands						
		Male						
1976	109.2	41.2	33.6	14.3	4.7	3.3	6.2	103.3
1977	116.3	38.1	33.1	18.4	6.4	4.1	6.4	106.5
1978	119.8	38.4	34.1	20.4	7.2	4.0	6.3	110.7
1979	103.1 ¹⁾	34.1	32.4	18.8	6.0	2.9	5.4	99.6
1980	119.1	38.2	35.5	22.6	6.3	3.2	6.3	112.1
1981	136.6	42.5	41.8	24.0	6.8	3.7	7.8	126.6
1982	151.6	45.3	46.0	24.7	7.1	5.0	8.9	137.0
1983	162.3	51.1	41.9	24.0	8.0	6.6	9.7	141.3
1984	159.8	44.2	39.0	26.7	9.6	8.3	11.6	139.4
1985	154.5	36.8	37.9	29.5	11.6	9.7	11.4	136.9
1986	150.8	34.3	38.0	31.1	11.6			
1987	150.7	33.9	37.9	30.7				
1988	152.9	36.9	40.3					
1989	147.6	35.0						
		Female						
1976	77.9	39.8	12.2	3.6	2.2	1.9	4.4	64.1
1977	86.6	41.7	12.4	4.2	3.2	2.1	4.2	67.8
1978	95.2	43.2	14.6	5.4	3.5	1.8	4.5	73.1
1979	83.8 ¹⁾	37.7	13.8	4.5	2.4	1.2	3.9	63.5
1980	99.1	44.6	17.7	5.3	2.7	1.5	5.0	76.6
1981	118.6	51.9	20.1	5.8	3.2	1.8	5.9	88.7
1982	130.6	52.2	19.8	5.8	4.0	2.6	6.5	90.8
1983	140.1	49.3	18.9	6.3	5.1	3.6	7.0	90.2
1984	140.9	44.9	18.1	6.6	6.1	4.4	7.5	87.6
1985	139.3	42.2	18.1	7.3	6.8	5.0	8.2	87.6
1986	135.6	41.5	16.9	8.0	7.8			
1987	134.4	45.5	15.9	7.8				
1988	132.4	47.5	17.4					
1989	125.7	43.6						

¹⁾ Low Number due to shortened school year

German School-Leavers Qualified to Enter Higher Education according to Year of Entrance Qualification (EQ), First Year of Studies and Sex

Year in which EQ was ac- quired	German School-Lea- vers Quali- fied to Enter Higher Education	Higher Education Studies were Taken up						
		in the Year	One Year	Two Years	Three Years	Four Years	Five or More Years	Total of New Entrants
		of/after Acquiring the Entrance Qualification						
		Per Cent						
	Male							
1976	100.0	37.7	30.7	13.1	4.3	3.0	5.7	94.5
1977	100.0	32.7	28.5	15.8	3.5	3.5	5.5	89.5
1978	100.0	32.1	28.5	17.0	6.1	3.4	5.3	92.4
1979	100.0	32.1	29.0	18.3	5.8	2.8	5.2	93.2
1980	100.0	32.1	29.8	19.0	5.3	2.7	5.3	94.2
1981	100.0	31.1	30.6	17.6	5.0	2.8	5.7	92.8
1982	100.0	29.9	30.3	16.3	4.7	3.3	5.9	90.4
1983	100.0	31.5	25.8	14.8	5.0	4.0	6.0	87.1
1984	100.0	27.7	24.4	16.7	6.0	5.2	7.3	87.3
1985	100.0	23.5	24.5	19.1	7.5	6.3	7.4	88.6
1986	100.0	23.2	25.1	20.6	7.7			
1987	100.0	22.5	26.4	20.4				
1988	100.0	24.1	26.4					
1989	100.00	32.7						
	Female							
1976	100.0	51.2	15.7	4.6	2.9	2.4	5.6	82.4
1977	100.0	48.2	14.4	4.8	3.7	2.5	4.9	78.5
1978	100.0	45.4	15.4	5.7	3.7	1.9	4.7	76.8
1979	100.0	45.0	16.5	5.4	2.9	1.4	4.7	75.9
1980	100.0	45.0	17.8	5.3	2.7	1.5	5.0	77.3
1981	100.0	43.8	17.0	4.9	2.7	1.5	5.0	74.9
1982	100.0	40.0	15.2	4.5	3.1	2.0	5.0	69.8
1983	100.0	35.2	13.5	4.5	3.7	2.6	5.0	64.5
1984	100.0	31.9	12.9	4.7	4.3	3.1	5.3	62.2
1985	100.0	30.3	13.0	5.2	4.9	3.6	5.9	62.9
1986	100.0	30.6	12.5	5.9	5.8			
1987	100.0	33.9	11.8	5.8				
1988	100.0	35.9	13.1					
1989	100.0	34.7						

German Students in Their First Higher Education Semester according to Father's Occupational Status and Type of Institution of Higher Education

Year ¹⁾	German Students in Their First Higher Education Semester					
	Total	Father's Occupational Status				
		Self-em- ployed	Civil Servant	White- collar Worker	Blue- collar Worker	Other ²⁾
	Thousands	Per Cent				
Universities and Colleges of Art and Music						
1970	67.4	26.5	25.2	34.0	11.9	2.4
1975	93.2	22.8	22.6	36.7	14.9	3.0
1980	108.4	21.5	21.3	39.3	14.7	3.2
1981	120.2	20.4	20.8	38.8	14.3	5.7
1982	124.3	20.4	21.2	40.6	14.5	3.3
1983	127.5	19.2	20.7	40.4	13.5	6.2
1984	119.3	19.1	20.7	39.8	12.7	7.7
1985	110.5	20.1	20.7	39.3	11.5	8.3
1986	111.7	18.1	19.9	37.2	10.3	14.4
1987	123.0	16.7	19.8	36.4	10.0	17.2
1988	133.6	16.8	19.8	36.3	9.5	17.6
1989	133.9	16.4	19.2	35.4	9.1	20.0
Fachhochschulen						
1975	32.1	21.8	14.4	32.8	27.6	3.4
1980	42.8	19.6	15.1	35.4	25.2	4.6
1981	49.0	19.1	14.7	35.5	25.4	5.2
1982	53.4	18.8	14.5	36.0	26.3	4.5
1983	55.4	18.2	14.7	36.5	25.3	5.3
1984	51.6	18.3	14.6	37.0	23.9	6.1
1985	49.5	18.2	15.5	36.7	21.9	7.7
1986	51.0	17.2	15.0	35.5	19.8	12.4
1987	55.8	16.7	15.1	35.2	18.8	14.2
1988	57.1	15.8	14.6	34.9	19.1	15.6
1989	60.1	15.7	14.3	33.1	18.3	18.6
All Institutions of Higher Education						
1975	125.3	22.5	20.5	35.7	18.2	3.1
1980	151.2	20.9	19.6	38.2	17.7	3.6
1981	169.2	20.0	19.0	37.9	17.5	5.6
1982	177.6	19.9	19.2	39.2	18.0	3.6
1983	182.9	18.9	18.9	39.2	17.1	5.9
1984	170.9	18.8	18.9	39.0	16.1	7.2
1985	160.1	19.5	19.1	38.5	14.8	8.1
1986	162.6	17.8	18.4	36.7	13.3	13.8
1987	178.8	16.7	18.3	36.0	12.7	16.2
1988	190.7	16.5	18.2	35.9	12.4	17.0
1989	194.1	16.2	17.7	34.7	11.9	19.5

¹⁾ Winter semester²⁾ Incl. those for whom no data are available

German Students in Their First Higher Education Semester according to Type of Higher Education Entrance Qualification and Type of Institution of Higher Education

Year ¹⁾	German Students in Their First Higher Education Semester						
	Total		of which holding Higher Education Entrance Qualification from				
			Gram- mar School	Compre- hensive School	Evening Schools and Colleges	Fach- ober- schu- len	Ability Tests
	Thousands	Per Cent					
Universities and Colleges of Art and Music							
1970	67.4	83.7	—	3.3	5.2	1.3	6.5
1975	93.2	85.3	0.8	5.5	3.8	2.1	2.5
1980	108.4	87.0	2.2	3.2	3.6	0.6	3.4
1981	120.2	85.1	2.1	3.1	3.6	0.7	5.4
1982	124.3	87.3	2.5	2.9	3.8	0.6	2.9
1983	127.5	86.9	2.4	3.0	3.9	0.5	3.3
1984	119.2	85.4	2.6	2.7	3.6	0.5	5.2
1985	110.5	87.4	2.8	3.0	3.3	0.5	3.1
1986	111.7	87.1	2.8	2.9	3.1	0.4	3.6
1987	123.0	87.5	3.0	2.7	2.9	0.4	3.5
1988	133.6	86.2	3.0	2.4	3.2	0.3	4.8
1989	133.9	86.0	2.9	2.6	3.5	0.3	4.8
Fachhochschulen							
1975	32.1	12.8	0.5	3.1	72.2	0.2	11.2
1980	42.8	39.5	0.8	1.1	47.3	0.3	11.0
1981	49.0	40.0	0.8	1.3	45.7	0.4	11.8
1982	53.4	39.7	0.9	1.5	46.9	0.5	10.5
1983	55.4	39.0	0.9	1.7	48.5	0.4	9.7
1984	51.6	41.9	1.1	1.7	45.8	0.3	9.2
1985	49.5	46.1	1.1	1.9	41.6	0.3	9.2
1986	51.0	48.7	1.3	2.0	38.6	0.3	9.1
1987	55.8	48.8	1.2	2.1	37.6	0.4	10.0
1988	57.1	45.7	1.2	2.2	39.0	0.4	11.5
1989	60.1	43.9	1.2	2.5	40.2	0.4	11.9
All Institutions of Higher Education							
1975	125.3	66.4	0.7	4.7	21.4	1.5	5.3
1980	151.2	73.6	1.8	2.6	16.0	0.5	5.5
1981	169.2	72.1	1.7	2.6	15.8	0.6	7.2
1982	177.6	72.9	2.0	2.5	16.7	0.6	5.3
1983	182.9	72.4	2.0	2.6	17.4	0.5	5.1
1984	170.9	72.2	2.1	2.4	16.4	0.4	6.5
1985	160.1	74.6	2.3	2.7	15.1	0.4	5.0
1986	162.6	75.1	2.3	2.6	14.2	0.4	5.4
1987	178.8	75.4	2.4	2.5	13.7	0.4	5.6
1988	190.7	74.1	2.5	2.3	13.9	0.3	6.8
1989	194.1	72.9	2.3	2.6	14.8	0.3	7.0

¹⁾ Winter semester²⁾ Incl. those for whom no data are available

Foreign Students according to Type of Higher Education and Nationality

Land of Origin	Foreign Students					
	Total					of which in
						Universities and Colleges of Art and Music Fachhochschulen
	1975	1980	1985	1989		
Europe	22730	29086	39670	48473	39091	9382
EG Member States	10145	13171	18352	21449	18128	3321
Belgium	392	476	528	631	513	118
Denmark	208	209	236	330	281	49
France	2264	2504	2518	3273	2638	635
Greece	3395	5204	6447	6190	5624	566
Great Britain ¹⁾	1034	1423	1872	2039	1632	407
Ireland	54	101	164	244	223	21
Italy	817	1142	1943	2843	2311	532
Luxembourg	654	678	946	1091	1001	90
Netherlands	1327	1434	1856	2056	1649	407
Portugal	135	239	396	571	432	139
Spain	504	819	1446	2181	1824	357
Other Countries	11946	14857	21318	27024	20963	6061
Bulgaria	81	121	115	137	126	11
Finland	1048	800	684	716	666	50
Iceland	111	115	200	241	217	24
Yugoslavia	801	1128	1749	2816	2199	617
Norway	643	640	712	824	801	23
Austria	2116	2437	3662	4963	4032	931
Poland	168	414	1414	1873	1663	210
Romania	129	182	183	255	221	34
Sweden	419	393	455	457	412	45
Switzerland	1031	1088	1203	1344	1150	194
USSR	24	52	81	189	179	10
Czechoslovakia	857	624	574	571	460	111
Turkey	4208	6542	9215	11654	7952	3702
Hungary	282	296	338	402	364	38
Cyprus	—	—	685	542	487	55
Other Countries	28	25	48	40	34	6
Africa	3249	3884	4310	5638	4619	1019
Egypt	811	795	696	863	812	51
Ethiopia	93	164	369	450	366	84
Algeria	298	601	355	275	199	76
Ghana	282	258	248	303	263	40
Cameroon	50	114	192	497	410	87
Morocco	143	151	201	606	475	131
Nigeria	498	424	274	225	175	50
Tunisia	241	212	384	622	544	78
Other Countries	833	1165	1591	1797	1375	422

¹⁾ Including Northern Ireland

Foreign Students according to Type of Higher Education and Nationality

Land of Origin	Foreign Students					
	Total					of which in
						Universities and Colleges of Art and Music Fachhochschulen
	1975	1980	1985	1989		
America	5451	6572	7600	8161	7294	867
Argentina	158	212	257	309	283	26
Bolivia	149	160	224	239	152	87
Brazil	369	490	547	803	745	58
Chile	382	516	517	506	447	59
Canada	289	330	429	396	356	40
Columbia	203	246	314	372	313	59
Mexico	111	189	228	242	229	13
Peru	181	275	403	493	392	101
USA	3049	3531	4042	4123	3834	289
Venezuela	132	215	161	120	96	24
Other Countries	428	408	478	558	447	111
Asia	14408	17056	21667	28024	22754	5270
Afghanistan	349	548	691	643	493	150
China (Taiwan)	300	475	583	815	798	17
China	66	317	1117	3275	3182	93
India	686	655	585	612	544	68
Indonesia	3324	3185	2260	2167	1327	840
Iraq	234	233	356	365	298	67
Iran	3825	5331	7872	9958	7108	2850
Israel	379	461	662	990	930	60
Japan	1137	1256	1134	1250	1225	25
Jordan	617	711	976	985	863	122
Korea (Republic)	614	1066	2673	3863	3729	134
Lebanon	200	284	316	329	251	78
Pakistan	240	267	187	200	151	49
Syria	564	508	467	463	411	52
Thailand	267	290	238	225	188	37
Vietnam	1118	621	915	1128	629	499
Other Countries	488	848	635	756	627	129
Australia and Oceania	128	135	166	174	146	28
Australia	105	110	133	143	118	25
Other Countries	23	25	33	31	28	3
All Countries ²⁾	47298	57713	74574	91712	74950	16762

²⁾ Including cases where no data are available

Students at Foreign Universities in 1986/87 according to Country

No.	Country of Origin	Students Abroad ¹⁾								
		General EC Member States ²⁾								Ireland ³⁾
		Total	Total	Federal Republic of Germany	Belgium	Denmark	France	Greece	Great Britain	
	Europe									
1	EC Member States	133355	77677	19950	10676	787	18133	139	7743	1105
2	Federal Republic of Germany	24157	9824	—	565	360	3660	42	1777	—
3	Belgium	3704	2519	575	—	7	890	2	304	18
4	Denmark	1492	708	266	26	—	219	4	116	7
5	France	12971	6069	2603	1620	67	—	8	1035	51
6	Greece	29931	24617	6454	808	15	2663	—	2285	6
7	Great Britain ³⁾	14491	6322	2042	242	211	2086	58	—	982
8	Ireland	2809	1270	188	22	16	197	—	809	—
9	Italy	18357	8067	2458	3144	30	1492	19	506	8
10	Luxembourg	3702	3191	1033	1076	1	964	2	77	5
11	Netherlands	6847	4815	1974	1689	57	560	4	429	10
12	Portugal	4756	3841	542	266	4	2634	—	137	2
13	Spain	10138	6434	1815	1218	19	2768	—	268	16
14	Other Countries									
	German Democratic Republic	305	233	—	2	3	34	—	9	118
15	Finland	1852	1027	690	9	44	149	3	72	4
16	Yugoslavia	4564	3041	2222	75	27	373	4	29	—
17	Norway	5272	3084	835	23	175	253	—	1098	23
18	Austria	5740	4717	4234	23	22	196	5	46	2
19	Poland	4116	2604	1559	62	36	780	—	49	—
20	Sweden	3075	1190	470	29	152	286	2	130	5
21	Switzerland	4241	2803	1342	98	41	411	1	231	5
22	USSR	515	241	82	3	5	88	3	52	—
23	Turkey	16568	12819	10215	379	80	763	427	186	3
	Other Non-European Countries									
24	Canada	18943	2921	436	83	25	1067	48	1014	59
25	USA	18714	14735	4253	220	166	3473	252	4166	287
26	China	58376	4098	1576	247	35	1488	2	638	7
27	Indonesia	13056	3572	2153	88	—	402	1	324	—
28	Iran	31509	19101	8335	310	98	4414	44	1585	8
29	Japan	21922	2536	1150	24	12	851	4	423	3
30	Australia	2605	788	136	6	13	72	5	455	19

¹⁾ Only the fifty most strongly represented countries have been included.²⁾ Not including Luxembourg³⁾ Including Northern Ireland

Source: UNESCO

Students at Foreign Universities in 1986/87 according to Country (cont.)

Students Abroad ¹⁾														No.
EC Member States ²⁾				Other European Countries				Other Non-European Countries						
Italy	Netherlands	Portugal	Spain	Total	Austria	Switzerland	Holland	Total	China	Canada	USA			
14752	3304	110	978	21884	9070	8311	4503	33794	505	2818	30471		1	
1740	1449	23	208	8035	4604	3209	222	6298	221	347	5730		2	
95	569	4	55	224	29	158	37	961	24	57	880		3	
17	46	—	7	61	19	36	6	723	27	26	670		4	
336	138	16	195	1703	104	1390	209	5199	59	830	4310		5	
12222	74	3	87	902	502	381	19	4412	3	269	4140		6	
174	435	9	83	633	130	331	172	7536	90	846	6600		7	
7	31	—	—	264	17	24	223	1275	1	104	1170		8	
—	266	6	138	7959	3218	1783	2958	2331	40	89	2202		9	
18	15	—	—	477	315	157	5	34	2	3	29		10	
55	—	3	34	304	51	240	13	1728	23	75	1630		11	
23	62	—	171	199	20	84	95	716	6	100	610		12	
65	219	46	—	1123	61	518	544	2581	9	72	2500		13	
49	18	—	—	34	24	4	6	38	17	2	19		14	
28	28	—	—	135	77	56	2	690	5	25	660		15	
244	51	—	16	689	440	133	116	834	47	37	750		16	
24	99	—	14	222	56	164	2	1966	10	76	1880		17	
56	112	—	21	516	—	466	50	507	10	17	480		18	
55	62	1	—	683	220	173	290	829	34	55	740		19	
41	62	—	13	213	79	128	6	1672	26	46	1600		20	
520	98	1	55	262	231	—	31	1176	38	98	1040		21	
8	—	—	—	29	13	11	5	245	165	3	77		22	
135	631	—	—	1028	807	217	4	2721	6	85	2630		23	
93	70	20	6	294	41	129	124	15728	38	—	15690		24	
976	288	40	614	1216	367	522	627	2763	94	2669	—		25	
38	55	—	12	470	292	166	12	53808	—	1978	51830		26	
—	598	6	—	122	41	14	67	9362	3	349	9010		27	
3534	141	—	632	1762	1439	320	3	10646	17	209	10420		28	
—	46	—	23	304	211	53	40	19082	806	226	18059		29	
32	39	3	8	114	22	33	59	1703	35	178	1490		30	

Examinations according to Type of Examination and Laender (Thousands)

Year ¹⁾	Examinations Passed (Number of Graduates)								
Land	Total	of which							
		Diplomas, First State Examinations ²⁾		Doctor's Degree		Teaching Qualifi- cations	Diplomas at Fach- hochschulen		
									First Degree
	G + F	F	G + F	F	G + F				F
Federal Republic									
1960	47800	1800	20300	900	1000	5200	9500	11800	400
1965	66500	1966	25500	1357	1086	5885	17100	16200	900
1970	87000	2663	30100	1822	1400	9900	25800	19800	1300
1975	117301	4295	33669	1867	1476	9242	40349	31865	1290
1980	123680	4816	46331	2503	1040	11182	30452	34675	1202
1981	121949	4501	46879	2242	933	11350	27362	35425	1165
1982	131126	4891	50642	2517	982	11981	27796	39725	1285
1983	137664	5070	54766	2602	1055	12582	27368	41893	1261
1984	141546	5043	57153	2639	824	13309	25611	44649	1250
1985	146920	5529	61083	2925	699	14252	22883	48003	1460
1986	150112	5595	63866	2964	586	14944	20354	50362	1505
1987	154840	5552	69325	2913	638	15397	16727	52753	1535
1988	159132	6081	74458	3274	701	16620	13692	53661	1645
Laender 1988									
BW	26179	925	11362	446	21	3071	2075	9650	254
BA	26260	648	12825	378	39	2982	1892	8522	127
HE	17007	750	8184	417	81	1656	1213	5873	214
NS	15532	457	7370	257	39	1609	1502	5012	79
NW	43030	1696	19271	861	293	3984	4579	14903	575
RP	7390	258	3150	127	53	725	443	3019	69
SL	2224	158	1290	93	31	243	192	468	36
SH	4205	135	1623	47	38	469	469	1606	57
BE	8806	659	5209	459	77	1019	482	2019	87
BR	1780	108	618	32	—	138	178	846	66
HA	6719	287	3556	157	29	724	667	1743	81

G+F = Germans and foreigners; F = foreigners

¹⁾ Winter and following summer semester

²⁾ All final examinations taken at higher education institutions excluding doctor's degrees, examinations at Fachhochschulen as well as officially recognized and church examinations (not including teacher qualifications).

Examinations according to Type of Examination and Leander (Thousands) (cont.)

Year ¹⁾	Examinations Passed (Number of Female Graduates)								
Land	Total	of which							
		Diplomas, First State Examinations ²⁾		Doctor's Degree		Teaching Quali- fications	Diplomas at Fach- hochschulen		
				First Degree	Following First Degree				
	G+F	F	G+F	F	G+F				F
Federal Republic									
1960	10100	600	3100	200	100	800	6000	100	10
1965	16400	600	3700	200	100	988	11571	200	10
1970	18700	800	4600	400	200	1500	12200	200	15
1975	37556	787	6225	376	341	1458	22753	6779	149
1980	42118	1126	13112	699	292	2100	17382	9232	133
1981	41860	1041	13308	667	283	2208	15530	10531	129
1982	46827	1248	15219	778	309	2403	16199	12697	196
1983	50466	1255	17178	770	360	2688	16346	13894	197
1984	52542	1354	18711	837	272	3006	15779	14774	221
1985	54016	1394	20078	857	240	3358	14443	15897	253
1986	56005	1593	22197	986	199	3721	13037	16851	319
1987	56952	1524	24916	943	233	3979	10932	16892	299
1988	58272	1764	27502	1104	246	4301	9010	17213	381
Laender 1988									
BW	9058	296	3877	172	8	799	1418	2956	68
BA	9449	206	4693	147	11	823	1326	2596	29
HE	6276	209	3194	130	30	454	788	1810	47
NS	5607	96	2715	61	11	374	987	1520	10
NW	15980	488	6823	294	106	961	2915	5175	137
RP	2891	82	1358	49	12	183	298	1040	22
SL	851	72	540	54	8	59	112	132	7
SH	1594	26	689	17	14	131	319	441	2
BE	3452	164	2060	118	27	277	297	791	19
BR	626	30	278	4	—	32	116	200	24
HA	2488	95	1275	58	19	208	434	552	16

Examinations according to Subject Group and Type of Examination (Thousands)

Year ¹⁾	Examinations Passed (German and Foreign Students) Total						
	Total ²⁾	of which in					
		Lan- guages, Arts, Sports	Eco- nomics, Social Science	Mathe- matics, Science	Engi- neering	Medicine	Agri- culture, Forestry, Food
Diplomas, First State Examinations, Total							
1973	32.3	3.8	10.3	5.4	4.4	6.7	1.0
1975	33.7	4.6	10.8	5.6	4.8	6.3	1.0
1977	37.5	6.3	11.9	6.1	5.8	5.3	1.2
1979	42.8	6.0	13.3	6.3	6.5	8.0	1.4
1981	46.9	7.0	14.6	7.3	6.8	7.9	1.8
1983	54.8	8.7	14.7	8.9	7.7	10.6	2.1
1985	61.1	10.2	15.9	10.2	8.5	11.7	2.2
1987	69.3	11.7	18.9	11.7	8.8	13.0	2.4
1988	74.5	12.4	20.6	13.4	10.4	12.3	2.2
Doctor's Degrees, Total							
1973	10.1	1.2	1.2	2.0	0.7	4.6	0.2
1975	11.4	1.4	1.3	2.6	1.0	4.7	0.3
1977	11.4	1.6	1.3	2.8	1.0	4.2	0.3
1979	11.9	1.1	1.2	2.7	1.1	5.3	0.3
1981	12.3	1.1	1.2	2.7	1.0	5.8	0.3
1983	13.6	1.3	1.3	2.7	1.0	6.7	0.4
1985	15.0	1.3	1.3	3.3	1.1	7.3	0.4
1987	16.0	1.4	1.5	3.8	1.3	7.3	0.5
1988	17.3	1.4	1.6	4.3	1.4	8.0	0.5
Teaching Qualifications, Total							
1973	30.0	16.4	1.3	7.0	0.2	—	0.2
1975	40.4	21.7	2.8	9.8	0.6	—	0.2
1977	40.4	23.4	3.9	9.3	0.8	—	0.2
1979	33.2	20.6	2.6	6.9	0.7	—	0.2
1981	26.0	15.6	1.8	6.0	0.6	—	0.3
1983	27.4	15.6	1.7	6.1	0.9	—	0.7
1985	22.9	14.1	1.4	4.4	0.5	—	0.4
1987	16.7	10.5	0.9	2.9	0.4	—	0.3
1988	13.7	8.5	0.7	2.3	0.3	—	0.3
Diplomas at Fachhochschulen, Total							
1973	29.2	0.6	7.6	0.2	18.4	—	1.3
1975	31.9	0.5	12.0	0.6	16.3	—	0.9
1977	33.3	0.9	12.9	0.3	16.8	—	0.9
1979	34.1	0.8	14.0	0.8	15.9	—	1.4
1981	35.4	0.8	15.0	1.0	15.7	—	1.7
1983	41.9	0.9	21.9	1.1	14.9	—	1.7
1985	48.0	1.0	24.1	1.6	18.2	—	1.8
1987	52.8	1.0	24.0	1.9	22.3	—	1.9
1988	53.7	1.2	23.6	2.2	23.0	—	2.0

¹⁾ Winter and following summer semester; ²⁾ Including cases where no data is available

Examinations according to Subject Group and Type of Examination (Thousands) (cont.)

Year ¹⁾	Examinations Passed (German and Foreign Students) Female						
	Total ²⁾	of which in					
		Lan- guages, Arts, Sports	Eco- nomics, Social Science	Mathe- matics, Science	Engi- neering	Medicine	Agri- culture, Forestry, Food
Diplomas, First State Examinations, Females							
1973	5.9	1.3	1.2	1.1	0.2	1.6	0.3
1975	6.2	1.9	1.3	0.8	0.2	1.4	0.3
1977	8.5	2.9	2.0	1.3	0.3	1.2	0.4
1979	11.4	2.9	3.1	1.5	0.4	2.3	0.6
1981	13.3	3.3	3.8	2.0	0.4	2.3	0.7
1983	17.2	4.4	4.2	2.7	0.5	3.5	0.8
1985	20.1	5.4	4.6	3.1	0.7	4.2	0.9
1987	24.9	6.5	6.1	3.8	0.8	5.1	1.0
1988	27.5	7.2	7.1	4.5	0.9	5.0	1.0
Doctor's Degrees, Females							
1973	1.6	0.3	0.07	0.1	0.01	1.1	0.01
1975	1.8	0.3	0.1	0.2	0.01	1.0	0.03
1977	1.8	0.4	0.1	0.3	0.01	0.9	0.04
1979	2.2	0.3	0.1	0.3	0.01	1.4	0.06
1981	2.5	0.3	0.1	0.3	0.02	1.6	0.08
1983	3.0	0.4	0.2	0.4	0.03	1.8	0.11
1985	3.6	0.4	0.2	0.6	0.04	2.2	0.10
1987	4.2	0.4	0.2	0.8	0.05	2.5	0.12
1988	4.5	0.5	0.3	0.9	0.06	2.7	0.12
Teaching Qualifications, Females							
1973	16.3	10.7	0.6	3.6	0.0	—	0.2
1975	22.8	13.9	1.3	5.4	0.0	—	0.3
1977	21.8	13.6	1.4	4.7	0.04	—	0.2
1979	19.1	12.6	1.1	3.5	0.08	—	0.2
1981	14.7	9.4	0.8	3.0	0.08	—	0.2
1983	16.3	10.1	0.8	3.3	0.13	—	0.5
1985	14.4	9.3	0.7	2.6	0.09	—	0.3
1987	10.9	7.2	0.5	1.7	0.15	—	0.3
1988	9.0	5.8	0.4	1.3	0.11	—	0.3
Diplomas at Fachhochschulen, Females							
1973	3.8	0.4	2.0	0.02	0.6	—	0.3
1975	6.8	0.4	4.5	0.08	0.8	—	0.3
1977	8.3	0.6	5.3	0.05	1.4	—	0.2
1979	8.8	0.6	5.8	0.15	1.2	—	0.4
1981	10.5	0.6	7.2	0.21	1.3	—	0.6
1983	13.9	0.7	10.1	0.27	1.5	—	0.6
1985	15.9	0.8	11.1	0.35	2.1	—	0.6
1987	16.9	0.8	11.2	0.42	2.8	—	0.7
1988	17.2	1.0	11.3	0.52	2.6	—	0.8

Staff according to Rank and Type of Institution of Higher Education

Year	Staff						
	Grand Total	of which					
		Full-time Staff					
		Total	Academic and Creative Arts Staff				
			Total	Students per Staff Member	Pro-fessors	Other Scien- tific and Creative- Arts Staff	Teachers with Special Assign- ments
Universities and Colleges of Art and Music							
1972	199679	160269	57978	9	14060	40350	3568
1975	249329	201838	68003	10	17751	47716	2536
1976	254297	203511	68201	11	18077	47533	2591
1978	270215	206925	70285	11	19438	48828	2019
1979	284463	218396	72670	11	20108	50648	1914
1980	288451	228512	76013	11	20311	53112	2590
1981	296229	238825	78212	11	20725	54384	3102
1982	281684	246650	79541	12	20898	55821	2825
1984	287707	254367	81171	13	21508	56720	2943
1985	293820	258558	82639	13	21498	57542	3599
1986	303086	267813	85618	12	21572	59574	4472
1987	306031	271360	88254	12	21593	61393	5268
1988	312871	276532	91447	12	21555	64070	5822
of which Colleges of Art and Music							
1972	3203	2115	1370	10	728	243	399
1975	4148	2475	1530	10	827	96	607
1976	4396	2527	1617	9	866	159	592
1978	4658	2518	1587	10	948	87	552
1979	4850	2572	1557	11	964	104	489
1980	5434	2621	1675	11	1025	201	449
1981	5832	2746	1762	11	1041	242	379
1982	5413	2849	1815	11	1193	344	278
1984	5769	2875	1836	11	1267	333	236
1985	5974	2967	1889	11	1314	338	237
1986	6408	3254	2087	11	1328	501	258
1987	6205	3122	1926	12	1332	347	247
1988	6557	3235	1990	12	1380	360	250

Staff according to Rank and Type of Institution of Higher Education (cont.)

Staff							Year
of which							
	Part-time Staff						
Adminis- trative, Technical and Other Staff	Total	Academic and Creative Arts Staff				Adminis- trative, Technical and Other Staff ¹⁾	
		Total	Pro- fessors	Graduate Auxiliary Staff	Staff with Teaching Assign- ment		
Universities and Colleges of Art and Music							
102290	39412	17309	2220	6140	8949	22103	1972
133835	47494	21641	2645	6155	12841	25853	1975
135310	50787	23737	3538	7092	13107	27050	1976
136640	63292	26335	4042	7621	14672	36957	1978
145727	66067	27296	3883	9437	13976	38771	1979
152499	59939	33685	4856	13761	15068	26254	1980
160613	57405	32250	4361	12786	15102	25155	1981
167109	35034	30737	4297	11240	15200	4297	1982
173196	33342	31973	4579	11102	16292	1369	1984
175920	35261	33734	5166	11679	16889	1527	1985
182195	35273	33661	5329	11091	17241	1612	1986
183107	34671	33385	5698	11187	16500	1286	1987
185087	36339	34994	6171	11823	17000	1345	1988
of which Colleges of Art and Music							
745	1088	1009	35	-	974	79	1972
946	1673	1506	37	4	1465	167	1975
910	1869	1648	20	11	1617	221	1976
931	2140	1783	36	7	1740	357	1978
1015	2279	1900	60	4	1836	379	1979
946	2813	2567	107	42	2418	246	1980
984	3086	2814	89	428	2297	272	1981
1034	2564	2548	102	380	2066	16	1982
1039	2894	2849	123	251	2475	45	1984
1078	3007	2972	141	293	2538	35	1985
1167	3154	3104	130	260	2714	50	1986
1196	3084	2988	135	239	2614	96	1987
1245	3322	3285	137	297	2851	37	1988

¹⁾ From 1982 onwards, not including auxiliary student personnel

Staff according to Rank and Type of Institution of Higher Education (cont.)

Year	Staff						
	Grand Total	of which					
		Full-time Staff					
		Total	Academic and Creative Arts Staff				
		Total	Students per Staff Member	Pro-fessors	Other Scien-tific and Creative-Arts Staff	Teachers with Special Assign-ments	
Fachhochschulen							
1972	18746	13549	7825	14	6711	706	408
1975	20883	14419	8147	18	7171	595	381
1976	22212	15308	8492	18	7449	545	498
1978	24479	16505	8918	19	7939	558	421
1979	25086	16842	8986	20	7979	490	517
1980	26986	17303	9221	22	7909	490	822
1981	28825	18209	9652	23	8279	353	1020
1982	29778	19215	10063	25	8433	341	1290
1984	31585	20045	10204	29	8713	316	1175
1985	33235	20551	10277	29	8768	306	1203
1986	33911	20885	10437	30	8950	277	1210
1987	35118	21344	10546	31	9017	292	1239
1988	35976	21636	10611	32	9054	301	1256
All Institutions of Higher Education							
1972	218425	173818	65803	10	20771	41056	3976
1975	270212	216257	76150	11	24922	48311	2917
1976	276509	218819	76693	11	25526	48078	3089
1978	294694	223430	79203	12	27377	49386	2440
1979	309549	235238	81656	12	28087	51138	2431
1980	315437	245815	85234	12	28220	53602	3412
1981	325052	257033	87864	13	29004	54738	4122
1982	311460	265863	89603	13	29331	56160	4114
1984	319292	274412	91373	14	30221	57036	4118
1985	327055	279109	92916	14	30265	57848	4802
1986	336996	288698	96054	14	30522	59851	5681
1987	341149	292704	98800	14	30610	61685	6507
1988	348847	298168	102056	14	30609	64371	7078

Staff according to Rank and Type of Institution of Higher Education (cont.)

Year	Staff						
	Total	of which					
		Part-time Staff					
		Total	Academic and Creative Arts Staff				Adminis-trative, Technical and Other Staff
		Total	Pro-fessors	Graduate Auxiliary Staff	Staff with Teaching Assign-ment	Adminis-trative, Technical and Other Staff	
Fachhochschulen							
5725	5198	5048	3	26	5019	150	1972
6272	6464	6157	3	52	6102	308	1975
6816	6904	6324	2	33	6289	580	1976
7587	7974	6798	7	23	6768	1176	1978
7855	8245	7129	19	40	7070	1116	1979
8082	9683	8464	39	36	8389	1219	1980
8557	10616	9668	153	413	9103	948	1981
9152	10563	10402	95	458	9849	1611)	1982
9841	11540	11221	93	1083	10045	319	1984
10274	12684	12362	98	1520	10744	322	1985
10448	13026	12487	125	1434	10928	539	1986
10796	13774	13380	142	1634	11604	395	1987
11025	14341	13929	154	1714	12061	412	1988
All Institutions of Higher Education							
108015	44610	22357	2223	6166	13968	22253	1972
140107	53959	27798	2648	6207	18943	26161	1975
142126	57691	30061	3540	7125	19396	27630	1976
144227	71266	33133	4049	7644	21440	38133	1978
153582	74312	34425	3902	9477	21046	39887	1979
160581	69622	42149	4895	13797	23457	27473	1980
169169	80820	41917	4514	13199	24204	26103	1981
176260	45597	41139	4392	11698	25049	44581)	1982
183037	44882	43194	4672	12185	26337	1688	1984
186194	47945	46096	5264	13199	27633	1849	1985
192643	48299	46148	5454	12525	28169	2151	1986
193903	48445	46765	5840	12821	28104	1681	1987
196112	50680	48923	6325	13537	29061	1757	1988

1) From 1982 onwards, not including auxiliary student personnel

Staff according to Type of Institution of Higher Education and to Subject Group

Year	Full-time Academic and Creative Arts Staff							
	Total ¹⁾	of which						
		Lan- guages Arts, Sports	Eco- nomics, Social Sciences	Mathe- matics, Science	Engi- neering	Medicine	Agri- culture, Forestry, Food	Art
	Universities and Colleges of Art and Music							
1972	57978	13235	5132	12297	6487	15064	1637	2014
1975	68003	13477	6725	14665	7922	17647	1962	2328
1980	76013	13282	7796	17035	10276	18658	1894	2425
1981	78212	14735	7876	18000	10376	19494	1914	2383
1982	79540	14472	7956	18975	10560	19635	1775	2388
1984	81169	14510	7822	19839	10893	20149	1952	2416
1985	82639	14195	7835	19924	11279	20335	2006	2449
1986	85618	14371	8175	21157	11585	21103	2108	2459
1987	88254	14373	8362	22050	12205	21529	2143	2639
1988	91446	14398	8590	23134	12714	22388	2293	2692
	Fachhochschulen							
1972	7825	132	1499	292	5122	—	141	496
1975	8147	133	1855	462	4905	—	178	452
1980	9221	107	3076	439	4626	—	335	516
1981	9652	135	3352	447	4748	—	327	476
1982	10063	146	3468	541	4838	—	365	517
1984	10204	152	3562	553	4836	—	373	537
1985	10277	159	3599	576	4832	—	374	556
1986	10436	187	3633	592	4912	—	376	549
1987	10546	174	3735	715	4800	—	379	575
1988	10611	177	3785	752	4788	—	400	529
	All Institutions of Higher Education							
1972	65803	13367	6631	12589	11609	15064	1778	2510
1980	85234	13389	10872	17474	14902	18658	2229	2941
1981	87864	14870	11228	18447	15124	19494	2241	2859
1982	89603	14618	11424	19516	15398	19635	2140	2905
1984	91373	14662	11384	20392	15729	20149	2325	2953
1985	92916	14354	11434	20500	16111	20335	2380	3005
1986	96054	14558	11808	21749	16497	21103	2484	3008
1987	98800	14547	12097	22765	17005	21529	2522	3214
1988	102056	14575	12375	23886	17502	22388	2693	3221

¹⁾ Incl. central facilities

Duration of Studies of German Students at Successful Completion of Final Examination according to Type of Institution of Higher Education, Sex and Age

Type of Institution of Higher Education	Fea- ture	Duration of Studies in Years (Average) at Completion of Examination in Study Year					Age at Time of Examination
		1977	1981	1985	1987	1988	
Universities	a)	6.9	7.2	7.5	7.5	7.6	28.5
	b)	6.1	6.5	6.9	7.0	7.0	
	c)	5.4	5.7	6.1	6.2	6.3	
Comprehensive Universities	a)	4.4	5.5	6.5	6.8	6.8	28.4
	b)	4.1	5.1	6.2	6.3	6.5	
	c)	3.6	4.5	5.5	5.7	5.8	
of which Short Courses of Study	a)	4.3	4.1	5.0	5.0	5.1	27.0
	b)	4.3	4.0	5.0	4.9	5.0	
	c)	3.9	3.6	4.7	4.6	4.7	
Colleges of Education	a)	4.7	5.3	5.8	6.6	6.0	28.0
	b)	4.2	4.7	4.9	5.2	5.4	
	c)	3.6	3.7	3.9	4.1	4.2	
Theological Colleges	a)	6.3	6.4	6.8	6.9	6.7	27.4
	b)	5.7	5.9	6.4	6.3	6.3	
	c)	5.2	5.3	5.7	5.7	5.9	
Colleges of Art and Music	a)	5.9	6.3	6.4	6.3	6.4	27.0
	b)	5.5	6.0	6.2	6.1	6.2	
	c)	4.5	4.7	5.0	5.1	5.1	
Fachhochschulen	a)	3.8	4.2	4.6	4.7	4.8	26.8
	b)	3.7	4.1	4.5	4.6	4.7	
	c)	3.5	3.8	4.1	4.3	4.4	
Colleges of Public Administration	a)	•	•	3.2	3.2	3.2	25.5
	b)	•	•	3.1	3.1	3.2	
	c)	•	•	3.0	2.9	3.0	
Total – Male	a)	6.0	6.4	6.6	6.5	6.6	28.2
	b)	5.4	5.9	6.1	6.1	6.1	
	c)	4.8	5.1	5.4	5.5	5.5	
– Female	a)	5.0	5.8	6.1	6.2	6.4	27.2
	b)	4.6	5.4	5.7	5.9	6.0	
	c)	4.1	4.8	5.2	5.4	5.5	
– Total	a)	5.6	6.2	6.4	6.4	6.5	27.8
	b)	5.1	5.7	6.0	6.0	6.1	
	c)	4.5	5.0	5.3	5.4	5.5	

a) = Duration of Studies from first registration at a university or other institution of higher education to completed final examination

b) = Duration of studies according to semesters in higher education

c) = Duration of studies according to subject-related semesters

Definitions

Legal Basis

Training assistance is provided under the Federal Training Assistance Act (Bundesausbildungsförderungsgesetz – BAföG), which came into force on 1 September 1971.

The Principle of Assistance

A person has a legal claim to individual assistance for training corresponding to his/her inclination, aptitude and achievements if the funds required for his/her subsistence and training "are not available from other sources", i.e. if the person concerned or – in this sequence – his/her spouse or his/her parents cannot meet these costs.

Persons entitled to training assistance include: Germans as defined by the Basic Law, stateless foreigners and persons entitled to political asylum and, under certain conditions, also EG- and other foreigners.

Since 1983, pupils at secondary schools receive training assistance only if, for the purpose of their training, they are compelled to live away from home; the assistance is paid as a grant without the obligation of repayment. Students at higher education institutions receive assistance in the form of loans.

Institutions of Education and Training

The number of students completing their pre-vocational or basic vocational training years are not shown separately in the tables on training assistance, but are included in the number of students receiving assistance and attending full-time vocational schools.

Persons Assisted

The number of recipients fluctuates from month to month: with every new school year or semester, a new age-group of pupils and students becomes eligible for training assistance, while others conclude their training during the year under review (which corresponds to the calendar year) or cease to be eligible for BAföG training assistance for other reasons. Constant fluctuations in the number of assisted students thus lead to different ways of counting the number of pupils and students receiving grants or loans under the BAföG scheme. In the following tables the number of persons assisted is given in two different forms according to the type of information to be derived from the figures:

- Where the number of recipients is related to total BAföG expenditure (as shown in the tables below), this number is defined as average monthly number of recipients (arithmetic mean of the 12 monthly figures recorded) permitting calculation of the average monthly expenditure per person assisted.
- If the number of recipients is to be broken down e.g. by age, sex, educational background or family status, the total number of persons assisted during a specific year is given without regard to the actual duration of assistance, even if it has only been paid for certain months of that year. This total number is hence considerably greater than the average monthly number of recipients, who are assumed to receive assistance for the whole year under review. The total number of persons assisted which is given in the tables is the accumulated number of persons counted for the year under review.

Definitions (cont.)

Expenditure

On behalf of the supreme Laender authorities responsible for training assistance, the Laender computer centres charged with the calculation of the amounts of assistance pass on their statistics to the statistical offices in the form of extracts from their input data and their calculation results. In the interest of using this rather efficient method of data acquisition for statistical purposes, small deviations of the expenditure recorded in the statistics (total of computer-calculated amounts of assistance) from the total of the payments actually made must be accepted. Such deviations may for instance occur when subsequent payments are made for the preceding calendar year after the statistics have been passed on. Another reason is the fact that, although nearly all amounts paid are calculated by computers, there is a need in certain special cases for manual calculation or correction.

Contents

Persons Assisted	according to Residence and Type of Assistance, Average Monthly Number of Persons Assisted	106 to 108
Expenditure	according to Family Status and Sex according to Type of Assistance Provided	109 to 111 107 to 111

Persons Assisted according to Residence, Type of Assistance Provided and Education Institutions

Year	Persons Assisted						Average Monthly Number of Recipients
	Total	of which		Received Full Amount			
		Lived with Parents	Lived away from Home	Total	of which Lived		
					with Parents	away from Home	
Number				Per Cent	Number		
1. Secondary General Schools							
1983	467	7	460	194	2.1	209	
1985	467	—	467	206	—	214	
1987	460	—	460	207	—	223	
1988	402	—	402	152	—	197	
1989	453	—	453	179	—	208	
2. Intermediate Schools							
1983	1424	1	1423	664	—	680	
1985	1107	—	1107	497	—	519	
1987	863	1	862	424	0.2	399	
1988	814	1	813	391	0.3	379	
1989	807	—	807	390	—	373	
3. Integrated Comprehensive Schools							
1983	2941	2746	195	905	92.8	7.2	1835
1985	398	225	173	207	61.4	38.6	225
1987	171	4	167	70	2.9	97.1	104
1988	148	—	148	66	—	100.0	93
1989	169	—	169	85	—	100.0	101
4. Grammar Schools							
1983	142731	130331	12400	43064	87.6	12.4	87340
1985	19338	9013	10325	50.5	50.5	49.5	11118
1987	9851	43	9808	5066	0.5	99.5	6295
1988	9806	2	9804	5363	0.0	100.0	6280
1989	10241	—	10241	5919	—	100.0	6438
5. Full-time Vocational Schools							
1983	231960	189762	42198	90662	83.8	16.2	135918
1985	44017	3352	40665	17241	11.0	89.0	26494
1987	38921	180	38741	14823	0.8	99.2	23313
1988	37380	75	37305	14903	0.3	99.7	22468
1989	35394	25	35369	14332	0.1	99.7	21376
6. Fachoberschulklassen (completed vocational training not required)							
1983	15736	12786	2949	5667	78.8	21.2	9345
1985	3014	238	2776	1388	10.2	89.8	1671
1987	2748	—	2748	1236	—	100.0	1533
1988	2876	—	2876	1327	—	100.0	1617
1989	2867	1	2866	1305	—	100.0	1648
7. Total (1.-6.)							
1983	395258	335633	59625	141156	84.3	15.7	235317
1985	68341	12828	55513	29822	24.7	75.3	40241
1987	53014	228	52786	21826	0.7	99.3	31867
1988	51426	78	51348	22202	0.2	99.8	31034
1989	49931	26	49905	22210	0.1	99.9	30144

Persons Assisted according to Residence, Type of Assistance Provided and Education Institutions (cont.)

Year	Persons Assisted						Average Monthly Number of Recipients
	Total	of which		Received Full Amount			
		Lived with Parents	Lived away from Home	Total	of which Lived		
					with Parents	away from Home	
8. Evening Secondary General and Intermediate Schools							
1983	2128	1396	732	1079	63.9	36.1	1045
1985	1787	1249	538	883	65.8	34.2	879
1987	1836	1211	625	948	62.7	37.3	944
1988	1628	1072	556	880	61.6	38.4	791
1989	1433	954	479	762	62.9	37.1	738
9. Vocational Extension Schools							
1983	17028	12527	4501	8857	74.7	25.3	9771
1985	2828	23	2805	1515	0.7	99.3	1455
1987	3222	1	3221	1754	0.1	99.9	1600
1988	3325	1	3324	1793	0.1	99.9	1545
1989	3112	—	3112	1671	—	100.0	1458
10. Fachoberschulklassen (completed vocational training required)							
1983	31423	22542	8881	15742	72.8	27.2	16502
1985	6301	42	6259	3512	0.6	99.4	3059
1987	8936	—	8936	4784	—	100.0	4111
1988	10783	—	10783	5716	—	100.0	5074
1989	11918	1	11917	6192	—	100.0	5615
11. Total (8. bis 10.)							
1983	50579	36465	14114	25678	73.1	26.9	27318
1985	10916	1314	9602	5910	10.4	89.6	5393
1987	13994	1212	12782	7486	7.9	92.1	6655
1988	15736	1073	14663	8389	6.5	93.5	7410
1989	16463	955	15508	8625	5.6	94.4	7811
12. Evening Grammar Schools							
1983	3309	519	2790	1444	9.9	90.1	2106
1985	2755	430	2325	1321	12.4	87.6	1732
1987	2776	487	2289	1327	12.9	87.1	1748
1988	2790	502	2288	1452	13.6	86.4	1709
1989	2786	536	2250	1429	16.0	84.0	1751
13. Full-time Adult Education Colleges							
1983	20416	5972	14174	51541	11.6	88.4	14465
1985	19958	5268	14690	5955	11.3	88.7	13945
1987	21255	5669	15586	6739	12.6	87.4	14694
1988	23123	6693	16430	8145	13.3	86.7	15883
1989	24497	7343	17154	8414	15.9	84.1	16698
14. Trade and Technical Schools							
1983	35272	21293	13979	19254	66.1	33.9	19063
1985	23084	13853	9231	15978	66.0	34.0	11874
1987	25525	15078	10452	17343	65.6	34.4	12963
1988	25395	14701	10694	17059	63.7	36.3	13090
1989	25149	14220	10929	16350	67.7	37.3	13251

3 Training Assistance

Persons Assisted according to Residence, Type of Assistance Provided and Education Institutions (cont.)

Year	Persons Assisted						Average Monthly Number of Recipients
	Total	of which		Received Full Amount			
		Lived with Parents	Lived away from Home	Total	of which Lived		
					with Parents	away from Home	
	15. Total (12 - 14)						
1983	58727	27784	30943	25839	52.1	47.9	35634
1985	45797	19551	26246	23254	48.9	51.1	27551
1987	63550	21229	28327	25409	48.8	51.2	29406
1988	51308	21896	29412	26656	45.6	54.4	30682
1989	52432	22092	30333	26193	45.1	54.9	31700
	16. Advanced Trade and Technical Schools, Vocational Academies						
1983	7929	3350	4579	2480	34.4	65.6	6081
1985	7022	2488	4534	2585	30.0	70.0	4618
1987	6261	2195	4066	2068	27.7	72.3	4118
1988	5858	2044	3814	1900	28.0	72.0	3786
1989	5571	1945	3626	1882	29.8	70.2	3617
	17. Fachhochschulen						
1983	142239	41575	100664	53785	27.8	72.2	96339
1985	134819	38117	96702	54084	27.0	73.0	91913
1987	135791	37983	97808	50057	27.2	72.8	92622
1988	128201	34383	93818	51561	24.2	75.8	85623
1989	132375	35286	97089	51177	24.7	75.3	88478
	18. Colleges of Art and Music						
1983	4917	583	4334	1629	7.4	92.6	3663
1985	4341	440	3901	1531	7.6	92.4	3116
1987	4023	320	3703	1418	6.7	93.3	3004
1988	3929	329	3600	1530	6.5	93.5	2922
1989	3939	311	3628	1563	6.0	94.0	2896
	19. Universities						
1983	302121	55957	246164	90603	15.3	84.7	220854
1985	264708	45270	219438	89892	14.6	85.4	190639
1987	238989	40759	198230	80307	15.3	84.7	173114
1988	233654	40472	193182	86417	14.6	85.4	167110
1989	236787	41636	195151	85099	15.5	84.5	168654
	20. Total (16 - 19)						
1983	457206	101465	355741	148497	20.1	79.9	326937
1985	410890	86315	324575	148092	19.3	80.7	230286
1987	385064	81257	303807	133850	19.3	80.2	227858
1988	371642	77228	294414	141408	18.2	81.8	259441
1989	378672	79178	299494	139721	18.9	81.1	263045
	21. Total (7., 11., 15. and 20.)						
1983	961797	501357	460440	341183	53.1	49.6	625223
1985	535969	120013	415956	207095	23.2	76.8	363485
1987	501660	103933	397727	188592	21.0	79.0	340802
1988	490136	100277	389859	198670	19.4	80.6	328581
1989	497531	102268	395263	196773	19.7	80.3	332715

Training Assistance

Expenditure according to Type of Assistance and Assisted Persons according to Family Status and Education Institutions

Year	Expenditure			Persons Assisted			
	Total	of which Loans	Average Amount Granted per Assisted Person	Family Status			
				Single	Married	Male	Female
	Thousand DM	Per Cent	DM per Month	Male	Female	Male	Female
1. Secondary General Schools							
1983	2132	—	850	235	229	2	1
1985	2196	—	855	261	203	—	2
1987	1977	—	739	258	200	—	2
1988	1843	—	780	202	198	—	2
1989	2157	—	864	234	218	—	1
2. Intermediate Schools							
1983	3767	—	469	502	923	—	—
1985	3303	—	487	399	7075	—	1
1987	2498	—	522	305	553	1	1
1988	2430	—	534	292	516	1	2
1989	2520	—	563	305	500	—	2
3. Integrated Comprehensive Schools							
1983	405	—	202	1486	1433	6	12
1985	454	—	298	192	195	2	6
1987	558	—	447	78	83	1	8
1988	518	—	464	67	74	2	4
1989	633	—	522	78	80	1	10
4. Grammar Schools							
1983	229918	0.0	219	72455	69544	232	388
1985	49571	0.0	372	10415	8510	150	194
1987	41568	—	550	5481	3834	190	252
1988	42067	0.0	558	5358	3837	230	299
1989	44421	0.0	575	5441	4103	289	317
5. Full-Time Vocational Schools							
1983	431296	0.0	264	83262	146541	437	1313
1985	128700	0.0	405	8920	33813	316	6794
1987	123461	0.0	441	8046	29328	366	802
1988	121526	0.0	451	7970	27767	396	833
1989	118531	0.0	462	7757	25958	387	830
6. Fachoberschulklassen (completed vocational training not required)							
1983	27724	0.0	247	8070	7404	88	105
1985	8627	—	430	1550	1364	25	42
1987	8749	0.1	476	1300	1284	44	64
1988	9390	—	484	1296	1413	58	49
1989	9830	0.1	497	1246	1464	50	43
7. Total (1.-6.)							
1983	699291	0.0	258	166009	226074	765	1819
1985	192929	0.0	400	21737	44792	493	924
1987	178811	0.0	468	15468	35282	602	1129
1988	177774	0.0	477	15185	33802	691	1189
1989	178092	0.0	492	15067	32323	727	1203

Expenditure according to Type of Assistance and Assisted Persons according to Family Status and Education Institutions (cont.)

Year	Expenditure			Persons Assisted			
	Total	of which Loans	Average Amount Granted per Assisted Person	Family Status			
				Single	Married		
	Thousand DM	Per Cent	DM per Month	Male	Female	Male	Female
8. Evening Secondary General and Intermediate Schools							
1983	5709	—	455	1024	35	79	
1985	4898	—	464	827	21	67	
1987	5574	—	492	878	800	29	54
1988	4740	—	499	805	669	19	50
1989	4486	—	507	711	597	18	41
9. Vocational Extension Schools							
1983	53577	0.0	457	11240	5069	313	179
1985	9939	—	569	1632	971	100	59
1987	11649	—	607	1890	999	149	74
1988	11427	0.0	616	1940	1048	138	86
1989	10890	—	622	1803	1007	115	66
10. Fachoberschulklassen (completed vocational training required)							
1983	92653	0.0	468	24658	5360	805	275
1985	21495	—	586	4036	1846	214	95
1987	30490	—	618	5538	2554	438	185
1988	37979	0.0	624	6755	3048	487	215
1989	42455	—	630	7326	3550	502	231
11. Total (8-10)							
1983	151939	0.0	463	36922	11330	1153	533
1985	36332	—	561	6495	3619	335	221
1987	47713	—	597	8306	4353	616	313
1988	54146	0.0	609	9500	4765	644	351
1989	57825	—	617	9840	5154	635	338
12. Evening Grammar Schools							
1983	14633	—	579	1281	1453	129	227
1985	12548	—	604	1079	1243	91	192
1987	13272	0.0	632	1175	1251	63	156
1988	12964	—	632	1195	1264	61	153
1989	13612	—	648	1147	1310	62	157
13. Full-time Adult Education Colleges							
1983	94484	0.0	544	10958	7467	427	547
1985	96507	0.0	577	10969	7494	364	467
1987	107493	0.0	610	11347	8472	293	457
1988	117130	0.0	615	12342	9326	292	493
1989	124914	0.0	623	12989	10093	290	485
14. Trade and Technical Schools							
1983	108473	0.1	474	15847	17610	853	700
1985	74726	0.2	524	14768	7233	667	269
1987	84652	0.1	544	15786	8616	669	319
1988	86497	0.1	551	15427	8737	739	332
1989	89209	0.1	561	15192	8664	771	339

Expenditure according to Type of Assistance and Assisted Persons according to Family Status and Education Institutions (cont.)

Year	Expenditure			Persons Assisted			
	Total	of which Loans	Average Amount Granted per Assisted Person	Family Status			
				Single	Married		
	Thousand DM	Per Cent	DM per Month	Male	Female	Male	Female
15. Total (12-14)							
1983	217590	0.0	509	28086	26530	1409	1474
1985	183781	0.1	556	26816	15970	1122	928
1987	205417	0.0	582	28308	18339	1025	932
1988	216591	0.0	588	28964	19327	1092	978
1989	227735	0.0	599	29328	20061	1123	981
16. Advanced Trade and Technical Schools, Vocational Academies							
1983	35372	48.3	485	1417	6052	213	194
1985	28582	97.9	516	1345	5304	193	141
1987	25639	98.0	519	1321	4637	144	129
1988	23676	97.6	521	1363	4195	150	111
1989	23078	97.4	532	1345	3905	162	121
17. Fachhochschulen							
1983	618404	47.3	535	90427	36858	9615	3240
1985	619225	98.7	561	88565	33656	7999	2595
1987	651726	99.7	586	92391	32776	7051	2064
1988	611934	99.7	596	86277	32650	5828	1944
1989	652257	99.7	514	89605	33523	5743	1964
18. Colleges of Art and Music							
1983	22991	48.4	523	2535	1885	218	156
1985	20808	98.6	556	2181	1791	168	114
1987	21258	98.7	590	2051	1665	134	104
1988	21171	98.7	604	1997	1650	128	84
1989	21813	98.5	628	1947	1675	130	112
19. Universities							
1983	1348602	46.9	509	163072	111304	13341	9621
1985	1235949	98.4	540	145357	97722	10148	7480
1987	1175118	99.1	566	132763	89447	7706	5741
1988	1148058	99.1	573	130140	87939	7058	5365
1989	11887366	99.0	589	130820	70809	6743	5324
20. Total (16-19)							
1983	2025369	47.0	516	257451	156099	23387	13211
1985	1904564	98.5	547	237448	138683	18508	10330
1987	1873741	99.3	572	228526	128525	15035	8038
1988	1804439	99.2	580	219777	126434	13164	7504
1989	1884514	99.2	597	223717	129912	12778	7521
21. Grand Total (7., 11., 15. and 20.)							
1983	3094297	30.8	412	488484	420039	26718	17038
1985	2317702	81.0	531	292508	203071	20461	12403
1987	2305796	80.7	564	280621	186508	17282	10414
1988	2253450	79.5	572	273430	184339	15589	10024
1989	3346281	79.6	588	277960	187473	15263	10045

Definitions**"Continuing education"**

Since there are many different types of continuing education and since it overlaps with other forms of education, a generally accepted definition is very difficult to apply in statistics. The definition given by the Federal Laender Commission for Educational Planning may serve as an example: "Continuing education is the continuation or resumption of organized learning after completion of a first phase of education and after embarking on working life."

Statistics supplied by continuing education institutions

Complete statistics on students, number and subjects of continuing education courses are available so far for few institutions only. As an example of the type of statistical data supplied by institutions, information on Adult Education Centres (Volkshochschulen), institutions holding an important position in continuing general and vocational education, is compiled below.

Other continuing education institutions are for example:
Chambers of Industry and Commerce,
Central Organisation of the German Crafts,
Association of Chambers of Agriculture,
Rationalization Board of German Industry,
German Trade Union Federation,
Adult Education Working Group of the Protestant Church,
Adult Education Working Group of the Catholic Church.

Remark:

Continuing vocational education and re-training are provided according to the Labour Promotion Act (AFG). The Federal Employment Office is responsible for the financing.

	Contents	
Participants	according to Purpose of Education and Subjects Taught	114
	according to Age, Sex, Qualification, Type and Duration of Courses	117
Adult Education Centres (Volkshochschulen)	according to Institutions, Staff, Students and Laender	116
Adult Education Events	organized by the Protestant and Catholic Churches and by Adult Education Centres according to Subjects, Classes and Participants	115

Participants in Continuing Education Courses¹⁾ according to Purpose of Education and Subjects Taught

Purpose/ Subjects	In Per Cent of Population Aged 19 to under 65			
	1979	1982	1985	1988

Continuing Vocational Education	10	12	12	18
Retraining	1	1	1	1
Occupational Promotion	2	2	2	3
In-firm Training for a Job	3	4	3	4
Adaption to New Occupational Tasks	—	—	—	8
Other Purpose	6	8	8	9
Continuing General and Political Education	16	21	18	22
Health	3	3	2	4
Law	2	2	2	2
Domestic Science	1	0	0	1
Child Care	1	1	1	1
Personal Problems	1	1	1	1
Languages	3	4	4	7
Practical Knowledge	3	3	2	2
Science and Technology	2	1	2	1
Leisure Pursuits	2	3	3	2
Literature, Art	2	2	1	3
Sports	3	4	4	4
Civics	2	2	2	1
Other Purpose	3	5	5	3
Resumed Education or Training	2	4	3	3
Total Percentage	23	29	25	35

¹⁾ Under the individual subjects (e.g. "health and health-conscious life-styles") each participant has been counted only once irrespective of the number of courses he or she took in that subject. Since some participants followed several courses in different subjects, the aggregate of the individual percentages may exceed the sub-totals given for the categories showing the purpose of their continuing education (e.g. continuing general education) and the total percentage.

Source: BMBW, Berichtssystem Weiterbildungsverhalten (Federal Ministry of Education and Science: A Reporting System on Continuing Education Patterns, a representative survey of some 4,000 to 8,000 persons).

Adult Education Events Organized by the Protestant and Catholic Churches and by Adult Education Centres according to Subjects

Year/ Subject	Protestant Church ¹⁾			Catholic Church ²⁾			Events Organized by Adult Education Centres ³⁾		
	E	C	P	E	C	P	E	C	P
Total (Thousands)									
1977	36	677	1699	74	1482	5145	288	7892	6844
1978	64	970	2600	84	1888	5636	322	8982	7306
1979	91	740	2799	92	1864	6311	353	8946	7704
1980	113	888	3398	98	2332	6761	379	9668	7979
1981	117	974	3350	102	2246	6497	387	9954	8297
1982	117	995	3425	122	2093	6281	379	9815	7712
1983	116	1035	3509	131	2195	6470	387	9964	7699
1984	115	1048	3282	139	2256	6620	407	10559	8182
1985	115	1063	3201	140	2310	6432	417	10920	7920
1986	121	1163	3338	144	2625	6753	441	11721	8376
1987	124	1176	3283	144	2686	6761	464	12407	8592
1988	122	1146	3178	•	•	•	494	13119	8832
1989	•	•	•	•	•	•	499	13796	8544

	Subjects (Per Cent)								
Social Science	10.5	8.5	12.5	9.8	6.6	10.0	2.0	0.8	3.1
Current Affairs etc.	1.8	1.3	1.6	2.2	2.1	1.8	1.6	0.6	2.4
Sociology etc.									
Education and School	20.3	27.0	18.5	16.9	15.4	14.5	3.6	2.3	4.0
Matters									
Humanities	24.9	16.8	26.9	24.4	14.4	27.5	0.5	0.2	0.6
Philosophy, Theology	17.8	10.4	23.1	20.0	13.1	28.6	8.4	1.8	17.2
Literature, Art	0.7	1.6	0.6	1.2	4.3	0.5	26.1	37.1	20.1
Languages									
Economics and Commercial	0.3	0.5	0.3	1.2	2.0	0.9	5.7	7.6	4.3
Studies									
Mathematics, Natural	0.9	0.5	1.0	1.7	1.2	1.7	6.9	6.6	7.2
Sciences, Engineering									
Leisure Pursuits, Health,									
Domestic Science	8.1	11.5	5.6	7.0	8.8	4.4	16.8	12.6	12.3
Handicrafts	12.2	17.1	8.9	14.2	22.7	9.2	23.6	15.7	21.3
Health									
School Courses									
School Certificates	0.02	1.3	0.02	8.3	6.6	0.1	0.8	7.4	0.7
Other Subjects ⁴⁾	2.5	3.5	1.1	1.2	2.8	0.8	5.0	7.3	6.9

E = Events; C = Classes; P = Participants (those taking several courses have been counted several times)

¹⁾ Minimum number recorded (incomplete); 1988 subjects

²⁾ 1985 subjects; not including North-Rhine Westphalia

³⁾ 1989 subjects

⁴⁾ Including study trips and tours

Source: Adult Education of the German Protestant Church Working Group, Adult Education of the Catholic Church Working Group, Association of German Adult Education Centres

Adult Education Centres (Volkshochschulen) according to Institutions, Staff, Students, and Laender

Year Land	Adult Education Centres						
	Institu- tions ¹⁾	Courses	Enroll- ments	Individual Events ²⁾		Staff ³⁾	
				Total	Students	Total	of which Teachers
Number	Thousands	Number	Thousands	Number			
	Federal Republic						
1965	5870	77837	1695.7	66000	5086.7	28100	13500
1970	5237	109881	2227.3	60849	3736.3	41700	21100
1971	5089	126245	2540.6	57362	3666.4	44980	23540
1972	4775	145754	2868.2	56613	3657.7	51211	27840
1973	4636	165857	3212.4	61180	3764.1	59253	31140
1974	4494	181763	3458.1	60612	3834.7	65442	34769
1975	4289	195546	3761.0	64766	3748.0	71704	38067
1976	4264	210805	3770.5	55841	3392.2	78608	40916
1977	5021	224831	3757.5	53307	2675.4	84815	40055
1978	5388	253199	4144.1	60305	3227.4	99573	47611
1979	4905	280488	4411.6	62981	3355.2	106568	46673
1980	4817	301444	4633.0	68091	3411.7	118007	50260
1981	4906	308380	4676.8	69517	3668.0	117768	47954
1982	5050	303215	4551.9	67704	3278.2	118244	29841
1983	4919	311427	4606.6	67829	3227.5	117644	27407
1984	4834	327167	4773.5	72106	3521.2	122269	34207
1985	4801	334993	4826.3	74364	3365.7	126947	35537
1986	4683	360463	5184.3	73436	3424.4	134115	36234
1987	4762	377877	5336.9	78072	3474.2	143376	39866
1988	4910	398792	5568.0	87059	3468.9	148785	38119
1989	4805	409975	5595.7	80671	3308.5	157117	39335
	Laender 1989						
BW	1059	80684	1034.2	19781	730.1	28756	9781
BA	1315	87881	1192.8	20684	921.6	30717	6169
HE	439	41467	519.7	7873	361.0	14724	2867
NS	541	53397	709.6	3929	135.4	23217	6048
NW	569	80764	1203.1	16116	615.0	33996	7602
RP	512	22354	288.9	5337	250.4	9103	3344
SL	85	6798	95.8	1258	59.9	2300	989
SH	257	20499	275.2	3678	181.5	8194	1907
BE	14	10689	179.5	1842	47.6	3426	244
BR	6	2553	41.1	56	0.9	1196	192
HA	8	2889	55.9	117	5.1	1490	192

¹⁾ Including external departments

²⁾ Including lecture series

³⁾ Not including persons giving individual lectures

Source: German Association of Adult Education Centres

Persons Who Have Taken Continuing Vocational Education Courses since 1989 (1987 Sample Census)

Variables	Workforce ¹⁾				
	Total		Participants in Courses since 1987		
	Total	Female	Total	Female	Male
	Thousands		Thousands	Per Cent ²⁾	

Aged

15-20	1515	964	88	42	5.8	5.7	6.0
20-25	3954	1835	452	215	11.4	11.2	11.7
25-30	4086	1762	678	244	16.6	18.7	13.8
30-35	3620	1391	578	193	16.0	17.3	13.9
35-40	3395	1344	480	156	14.2	15.8	11.6
40-45	3057	1184	367	120	12.0	13.2	10.1
45-50	3649	1381	335	106	9.2	10.1	7.7
50-55	3425	1242	222	60	6.5	7.4	4.9
55-	3189	1062	114	25	3.6	4.2	2.3
Total	29889	11895	3314	1161	11.1	12.0	9.8

Previous General Education/Qualification

Secondary General School	17290	6350	1119	297	6.5	7.5	4.7
Certificate	7112	3567	1066	457	15.0	17.2	12.8
Intermediate School Certificate							
Entrance Qualification for							
Higher Education Institutions	5243	1882	1122	404	21.4	21.4	21.5

Type of Continuing Vocational Education

On-the-Job Training	1263	399	1263	399	38.1	40.1	34.4
Courses offered by Chambers	283	80	283	80	8.5	9.4	6.9
At Special Centres of Continuing							
Vocational Education or Retraining	960	368	960	368	29.0	27.5	31.7
At a Vocational School or an							
Institution of Higher Education	329	120	329	120	9.9	9.7	10.3
Correspondence Courses	49	15	49	15	1.5	1.6	1.3
Other	431	179	431	179	13.0	11.7	15.4
Total	3314	1161	3314	1161	100.0	100.0	100.0

Duration of Courses

Less than 1 Month	1369	477	1369	477	41.3	41.4	41.1
1 to under 6 Months	646	214	646	214	19.5	20.1	18.5
6 to under 12 Months	270	110	270	110	8.2	7.4	9.5
1 Year to under 2 Years	276	108	276	108	8.3	7.8	9.3
2 Years and More	266	83	266	83	8.0	8.5	7.2
Still lasting at Time of Census	488	168	488	168	14.7	14.8	14.5
Total	3314	1161	3314	1161	100.0	100.0	100.0

¹⁾ 1989 sample census results; ²⁾ Per cent of workforce

Definitions**The Education Budget**

The education budget in the strict sense includes the statistically established expenditure on the entire sector of education, which, in accordance with the definition given in the General Plan for Education, includes the nursery education and out-of-school youth education, school and higher education, continuing education, training assistance and the joint promotion of research provided by the Federal and the Laender governments.

Expenditure on research and development, expenditure by the Federal Employment Office on educational measures and the outlay of private industry for education and research are not broken down specifically.

Expenditure on administration, retirement pensions and the cultural sector are not included.

Nursery Education, Out-of-school Youth Education

Expenditure given for this area includes expenditure on kindergartens and on out-of-school youth education plus expenditure on some government-supported youth welfare institutions and some of the support given to private and NPO youth welfare institutions to the extent that these funds are used for out-of-school youth education.

Schools

Expenditure on schools includes that on primary schools, secondary general schools, special schools, intermediate schools, grammar schools, comprehensive schools, vocational schools including trade and technical schools as well as the outlay for courses which cannot be assigned to any individual school type.

Institutions of Higher Education

Expenditure on higher education includes expenditure on universities, technical universities, university clinics, colleges of education and institutions offering in-service training for teachers, comprehensive universities, colleges of art and music, Fachhochschulen and on courses which cannot be assigned to any individual type of institution.

Continuing Education

Expenditure includes that on adult education centres, in-service training of teachers, initial and continuing in-firm and inter-firm training, political education, public libraries, vocational and specialized academies as well as on other institutions of continuing education.

Assistance Schemes

Expenditure includes that on training and other assistance to pupils as well as that on pupil transport; the outlay for loans and grants awarded to students including other assistance to students as well as support for student accommodation; other measures in support of education.

R&D Expenditure

Expenditure on research and experimental development as defined in the Frascati Manual: "creative work undertaken on a systematic basis in order to increase the stock of knowledge including knowledge of man, culture and society and the use of this stock of knowledge to devise new applications."

Of the expenditure on higher education institutions and university clinics, only the amounts spent on research and development have been included.

	Contents	
Expenditure on Education and Research	Public and Private Expenditure according to Expenditure Areas	120
	Public and Private Expenditure according to Expenditure Areas as Percentage of National Product	121
Expenditure on the Education Sector as Defined in the General Plan for Education	according to Expenditure Areas	122
	according to Expenditure Areas and Types of Expenditure	123
	Annual Growth in Per Cent	124
	Per Inhabitant in DM	124
	as Percentage of Total Public Expenditure	125
	as Percentage of National Product	125

7 The Education Budget/Research Expenditure

Expenditure on Education and Research by the Public and the Private Sectors according to Expenditure Areas DM Billion

Expenditure Area	Public and Private Expenditure on Education and Research in						
	1970	1975	1980	1985	1987	1988	1989
Expenditure on Education as Defined by the Education Budget							
Nursery Education, Out-of-school							
Youth Education	0.9	2.4	3.6	4.3	4.9	5.3	5.6
Schools	17.1	32.8	43.8	46.8	49.2	49.7	50.9
Institutions of Higher Education	6.9	13.6	17.8	21.4	24.7	25.4	25.8
Continuing Education	0.6	1.1	2.3	3.0	3.2	2.9	3.1
Assistance Schemes of which:	1.0	4.4	6.2	5.3	4.8	4.6	4.8
Training Assistance ¹⁾	•	2.6	3.6	2.3	2.4	2.4	2.4
Joint Research Promotion ²⁾	1.3	2.6	3.6	4.5	5.0	5.2	5.3
Total	27.8	56.8	77.1	85.3	91.9	93.1	95.3
Other Public Expenditure on Research and Development in Specific Areas (incl. Defence)							
Total	3.7	6.2	9.2	12.6	13.1	13.6	14.4
Expenditure on Schemes of the Federal Employment Office							
Total	0.9	3.3	4.6	5.9	8.8	10.7	11.4
Expenditure on Education and Research by the Private Sector (incl. Endowments and Donations)							
Vocational Education and Training, Continuing Education ³⁾	6.9	10.0	15.5	32.2 ⁵⁾	49.0 ⁵⁾	49.4 ⁵⁾	49.4 ⁵⁾
Research and Development ⁴⁾	7.9	12.0	20.3	31.5	37.4	39.3 ⁶⁾	42.9 ⁶⁾
Total	14.8	22.0	35.8	63.7	86.4	88.7	92.3
Total Expenditure							
Grand Total	47.2	88.3	126.7	167.5	200.2	206.1	213.4

¹⁾ Expenditure by virtue of the Federal Training Assistance Act

²⁾ Up to 1987, actual expenditure; for 1988, planned expenditure

³⁾ Estimates; since 1981 new estimates on the basis of recent research by the Federal Institute for Vocational Training

⁴⁾ Since 1980 extended basis

7 The Education Budget/Research Expenditure

Expenditure on Education and Research by the Public and the Private Sectors according to Expenditure Areas as Percentage of National Product

Expenditure Area	Public and Private Expenditure on Education and Research in						
	1970	1975	1980	1985	1987	1988	1989
Expenditure on Education as Defined by the Education Budget							
Nursery Education, Out-of-school							
Youth Education	0.13	0.24	0.24	0.23	0.25	0.25	0.25
Schools	2.53	3.19	2.95	2.54	2.44	2.34	2.25
Institutions of Higher Education	1.02	1.32	1.19	1.16	1.23	1.20	1.14
Continuing Education	0.09	0.10	0.15	0.16	0.16	0.14	0.14
Assistance Schemes of which:	0.15	0.43	0.42	0.29	0.24	0.22	0.21
Training Assistance	•	0.25	0.24	0.14	0.12	0.11	0.11
Joint Research Promotion	0.20	0.25	0.24	0.25	0.25	0.24	0.23
Total	4.11	5.52	5.19	4.62	4.56	4.39	4.22
Other Public Expenditure on Research and Development in Specific Areas (incl. Defence)							
Total	0.54	0.60	0.62	0.68	0.65	0.64	0.64
Expenditure on Schemes of the Federal Employment Office							
Total	0.13	0.32	0.31	0.32	0.44	0.50	0.50
Expenditure on Education and Research by the Private Sector (incl. Endowments and Donations)							
Vocational Education and Training, Continuing Education	1.02	0.97	1.04	0.85	2.43	2.33	2.18
Research and Development	1.16	1.16	1.37	1.71	1.86	1.85	1.90
Total	2.18	2.13	2.41	2.56	4.29	4.18	4.08
Total Expenditure							
Grand Total	6.99	8.58	8.53	8.19	9.93	9.71	9.44

⁵⁾ Estimates

⁶⁾ Including DM 9.6 billion on continuing education

Source: Bund-Länder Commission for Educational Planning and Research Promotion; Federal Ministry for Research and Technology; Federal Employment Office

7 The Education Budget/Research Expenditure

Expenditure on Education¹⁾ by the Federal Government, the Laender and Local Authorities according to Expenditure Areas
DM Billion

Year	Expenditure on Education ¹⁾						
	Total	of which					
		Nursery Education, Out-of-school Youth Education	Schools	Institutions of Higher Education	Continuing Education	Assistance Schemes	Joint Research Promotion ²⁾
1965	15676	614	10209	3541	293	385	634
1970	27759	902	17066	6873	581	1010	1327
1971	34876	1154	21394	8430	697	1688	1513
1972	39255	1452	23337	9441	820	2480	1725
1973	44624	1733	26495	10688	965	2776	1966
1974	52130	2304	30322	12802	928	3533	2242
1975	56835	2421	32779	13585	1054	4430	2566
1976	58093	2610	33504	13782	1284	4172	2740
1977	60407	2601	34737	14325	1517	4404	2825
1978	64674	2861	37236	14890	1831	4835	3021
1979	69936	3290	39971	16064	2124	5221	3266
1980	77127	3556	43780	17750	2291	6183	3566
1981	80873	4017	45775	18651	2374	6290	3766
1982	81832	3927	45845	19296	2379	6413	3972
1983	82605	4073	45695	20278	2411	5926	4223
1984	83151	4017	45835	21292	2636	5009	4362
1985	85264	4265	46807	21415	2951	5304	4521
1986	88722	4498	48145	23073	3137	5052	4818
1987	91893	4949	49156	24715	3216	4812	5046
1988	93113	5300	49740	25434	2894	4621	5175
1989 ³⁾	95344	5583	50864	25782	3061	4779	5275

¹⁾ Net expenditure

²⁾ By the Federal Government and the Laender

³⁾ Estimates

Source: Bund Laender Commission for Educational Planning and Research Promotion

The Education Budget/Research Expenditure

Expenditure on Education¹⁾ according to Expenditure Areas and Types of Expenditure
DM Billion

Year	Expenditure on Education ¹⁾						
	Total	of which					
		Nursery Education, Out-of-school Youth Education	Schools	Institutions of Higher Education	Continuing Education	Assistance Schemes	Joint Research Promotion ²⁾
Expenditure on Staff							
1970	13726	272	10015	3208	230	1	—
1975	29806	695	20679	7958	471	3	—
1980	43356	1141	30252	11172	776	16	—
1985	51253	1391	34797	14103	933	29	—
1986	53435	1504	36021	14871	1009	30	—
1987	55117	1577	36940	15513	1071	31	—
1988	56526	1651	37584	16122	1173	29	—
1989 ²⁾	57687	1697	38236	16555	1167	45	—
Operating Expenditure							
1970	3218	80	1795	1120	148	75	—
1975	7910	159	3637	2590	376	1149	—
1980	12367	415	5718	4065	603	1566	—
1985	16013	798	6646	5318	1136	2116	—
1986	16335	784	6660	5627	1252	2011	—
1987	17236	830	6697	6204	1281	2060	—
1988	16800	869	6403	6496	914	1966	—
1989 ²⁾	17329	943	6507	6680	1003	2039	—
Capital Investment							
1970	6704	96	4152	2363	89	4	—
1975	10752	419	7604	2642	78	9	—
1980	9726	261	6784	2464	198	19	—
1985	6617	207	3670	2554	172	14	—
1986	6838	254	3632	2762	182	8	—
1987	7483	254	3692	3344	191	8	—
1988	7498	326	3738	3243	190	4	—
1989 ²⁾	7512	334	4011	2986	178	6	—

¹⁾ Direct expenditure

²⁾ Estimates

Source: Bund-Laender Commission for Educational Planning and Research Promotion

7 The Education Budget/Research Expenditure

Expenditure on Education¹⁾ according to Expenditure Areas, Annual Growth and per Inhabitant

Year	Expenditure on Education ¹⁾						
	Total	of which					
		Nursery Education, Out-of-school Youth Education	Schools	Institutions of Higher Education	Continuing Education	Assistance Schemes	Joint Research Promotion ²⁾

Annual Growth in Per Cent

1965	16.2	16.1	14.0	21.5	8.1	22.6	24.8
1970	24.6	18.2	18.0	30.1	57.0	117.0	16.8
1975	8.2	5.1	6.6	5.9	-21.1	23.2	29.7
1980	10.3	8.1	9.5	10.5	7.9	18.4	9.2
1981	4.9	13.0	4.6	5.1	3.6	1.7	5.6
1982	1.2	-2.2	0.2	3.5	0.2	2.0	5.5
1983	0.9	3.7	-0.3	5.1	1.3	-7.6	6.3
1984	0.7	-1.4	0.3	5.0	9.3	-15.5	3.3
1985	2.6	6.2	2.1	0.6	12.0	5.9	3.7
1986	4.1	5.5	2.9	7.7	6.3	-4.8	6.6
1987	3.6	10.0	2.1	7.1	2.5	-4.8	4.7
1988	1.3	7.1	1.2	2.9	-10.0	-4.0	2.6
1989	2.4	5.3	2.3	1.4	5.8	3.4	1.9

Per Inhabitant in DM

1965	264	10	172	60	5	6	11
1970	455	15	280	113	10	17	22
1975	922	39	532	220	17	72	42
1980	1251	58	710	288	37	100	58
1981	1310	65	742	302	38	102	61
1982	1330	64	745	314	39	104	65
1983	1347	66	745	330	39	97	69
1984	1362	66	751	349	43	82	71
1985	1397	70	767	351	48	87	74
1986	1451	74	787	377	51	83	79
1987	1501	81	803	404	53	79	82
1988	1509	86	806	412	47	75	84
1989	1558	91	830	421	50	78	86

¹⁾ Net expenditure

²⁾ By the Federal Government and the Laender

7 The Education Budget/Research Expenditure

Expenditure on Education¹⁾ according to Expenditure Areas in Per Cent of Total Public Expenditure and National Product

Year	Expenditure on Education ¹⁾						
	Total	of which					
		Nursery Education, Out-of-school Youth Education	Schools	Institutions of Higher Education	Continuing Education	Assistance Schemes	Joint Research Promotion ²⁾

As Percentage of Total Public Expenditure

1965	11.2	0.4	7.3	2.5	0.2	0.3	0.5
1970	14.1	0.5	8.4	3.5	0.3	0.8	0.6
1975	15.8	0.7	9.2	3.8	0.3	1.2	0.7
1980	15.1	0.7	8.6	3.5	0.5	1.2	0.7
1981	14.9	0.7	8.5	3.4	0.4	1.2	0.7
1982	14.6	0.7	8.2	3.4	0.4	1.1	0.7
1983	14.5	0.7	8.0	3.6	0.4	1.0	0.7
1984	14.2	0.7	7.9	3.6	0.5	0.9	0.7
1985	14.1	0.7	7.7	3.5	0.5	0.9	0.7
1986	14.1	0.7	7.7	3.7	0.5	0.8	0.8
1987	14.1	0.8	7.6	3.8	0.5	0.7	0.8
1988	13.8	0.8	7.4	3.8	0.4	0.7	0.8
1989	13.6	0.8	7.3	3.7	0.4	0.7	0.8

As Percentage of National Product

1965	3.4	0.13	2.2	0.77	0.06	0.08	0.14
1970	4.1	0.13	2.5	1.01	0.08	0.15	0.20
1975	5.5	0.24	3.2	1.32	0.10	0.43	0.25
1980	5.2	0.24	2.9	1.20	0.16	0.42	0.24
1981	5.2	0.26	3.0	1.21	0.15	0.41	0.24
1982	5.1	0.25	2.9	1.21	0.15	0.40	0.25
1983	4.9	0.24	2.7	1.21	0.14	0.35	0.25
1984	4.7	0.23	2.6	1.20	0.15	0.28	0.25
1985	4.6	0.23	2.5	1.16	0.16	0.29	0.25
1986	4.6	0.23	2.5	1.18	0.16	0.26	0.25
1987	4.6	0.25	2.4	1.22	0.16	0.24	0.25
1988	4.4	0.25	2.3	1.20	0.14	0.22	0.24
1989	4.2	0.25	2.2	1.14	0.14	0.21	0.23

¹⁾ Net expenditure

²⁾ By the Federal Government and the Laender

Definitions**Labour Force**

Persons resident in the Federal Republic of Germany (resident concept) who exercise or seek an activity which is gainful directly or indirectly regardless of the importance of the income resulting from such an activity for their subsistence and irrespective of the working hours actually supplied or due by contract.

Persons in Employment

Persons in gainful employment (including helping family members) and persons running a business on their own account.

Contents

The Population	Selected Aspects of Demographic Development	128
	Selected Age Groups	129
	according to Age and Sex	130 to 131
	Forecast according to Age and Sex	132 to 135
	according to Employment and Sex	136
	according to Type of Qualification obtained in General Schools	138 to 139
Labour Force	according to Employment and Sex	136
	according to Age Groups	137
	according to Type of Qualification obtained in General Schools	138 to 139
Labour Force Participation	according to Age Groups Rate	137
Persons in Employment	according to Sex	136
Gross National Product	National Income and Income of Private Households	140 to 141

Selected Aspects of Demographic Development

Year	Live Births	Excess of Births Over Deaths	Marriages	Live Births	Excess of Births Over Deaths	Marriages
	Thousand			Per Thousand Inhabitants		
German and Foreign						
1960	968.6	+325.7	521.4	17.4	+ 5.9	9.4
1965	1044.3	+366.7	492.1	17.7	+ 6.2	8.3
1970	810.8	+ 76.0	444.5	13.4	+ 1.3	7.3
1975	600.5	-148.7	386.7	9.7	- 2.4	6.3
1980	620.7	- 93.5	362.4	10.1	- 1.5	5.9
1981	624.6	- 97.6	359.7	10.1	- 1.6	5.8
1982	621.2	- 94.7	362.0	10.1	- 1.5	5.9
1983	594.2	-124.2	370.0	9.7	- 2.0	6.0
1984	584.2	-112.0	364.1	9.5	- 1.8	5.9
1985	586.2	-118.1	364.7	9.6	- 1.9	6.0
1986	626.0	- 75.9	372.1	10.3	- 1.2	6.1
1987	642.0	- 45.4	382.6	10.5	- 0.7	6.3
1988	677.3	- 10.3	397.7	11.0	- 0.2	6.5
1989	681.5	- 16.2	397.6	11.0	- 0.3	6.4
German						
1970	747.8	+ 21.0	•	12.8	+ 0.4	•
1975	504.7	-235.6	•	8.7	- 1.4	•
1980	540.0	-165.6	•	9.4	- 2.9	•
1981	544.5	-169.1	•	9.5	- 3.0	•
1982	548.2	-159.1	•	9.6	- 2.8	•
1983	532.7	-177.6	•	9.4	- 3.1	•
1984	529.4	-158.9	•	9.3	- 2.8	•
1985	532.4	-164.2	•	9.4	- 2.9	•
1986	567.3	-126.7	•	10.0	- 2.2	•
1987	574.8	-104.6	•	10.1	- 1.8	•
1988	603.7	- 75.2	•	10.7	- 1.3	•
1989	601.7	- 87.4	•	•	•	•
Foreign						
1970	63.0	+ 55.0	•	22.5	+19.6	•
1975	95.9	+ 86.9	•	24.1	+21.9	•
1980	80.7	+ 72.2	•	17.8	+15.9	•
1981	80.0	+ 71.5	•	17.2	+15.4	•
1982	73.0	+ 64.5	•	15.5	+13.7	•
1983	61.5	+ 53.4	•	13.3	+11.5	•
1984	54.8	+ 47.0	•	12.2	+10.4	•
1985	53.8	+ 46.1	•	12.1	+10.4	•
1986	58.7	+ 50.8	•	12.8	+11.1	•
1987	67.2	+ 59.2	•	16.2	+14.3	•
1988	73.5	+ 64.9	•	15.2	+13.4	•
1989	79.9	+ 71.2	•	•	•	•

Selected Age Groups of the Resident Population (Thousands)

Year	Age Groups									
	3 to under 6		6 to under 10		10 to under 16		16 to under 19		19 to under 26	
	Total	Foreign	Total	Foreign	Total	Foreign	Total	Foreign	Total	Foreign
Actual Figures										
1960	2408	●	3050	●	4116	●	2312	●	6389	●
1965	2915	●	3495	●	4718	●	2307	●	5797	●
1970	3028	●	3968	●	5165	●	2378	●	5149	●
1971	2962	●	4080	●	5478	●	2448	●	5671	●
1972	2842	●	4123	●	5653	●	2522	●	5846	●
1973	2651	198	4101	214	5839	247	2600	158	6019	725
1974	2471	236	4026	240	6010	277	2670	150	6003	655
1975	2259	254	3886	247	6097	288	2740	134	5953	560
1976	2075	268	3649	254	6163	302	2823	138	5976	503
1977	1908	274	3413	273	6173	323	2927	144	6075	490
1978	1806	273	3143	302	6151	355	3000	156	6217	488
1979	1788	272	2876	336	6041	404	3096	179	6429	529
1980	1769	263	2696	371	5823	457	3190	227	6657	580
1981	1760	253	2513	373	5570	495	3231	248	6855	594
1982	1737	238	2405	354	5206	503	3210	248	7014	572
1983	1762	228	2344	321	4795	507	3136	233	7164	563
1984	1792	213	2291	279	4392	490	3049	222	7297	571
1985	1832	211	2289	272	4062	493	2912	224	7407	603
1986	1821	204	2321	277	3856	501	2716	241	7468	638
1987	1787	187	2358	267	3642	431	2524	222	7378	565
1988	1792	●	2436	●	3566	●	2317	●	7348	●
Forecast										
1988	1774	186	2424	291	3544	471	2293	265	7279	626
1989	1808	187	2449	289	3506	458	2102	272	7006	619
1990	1858	189	2431	279	3523	449	1930	273	6688	623
1991	1913	190	2409	268	3570	452	1821	265	6312	623
1992	1937	188	2422	264	3606	453	1793	253	5874	634
1993	1955	188	2467	264	3635	452	1767	238	5461	636
1994	1964	189	2525	265	3661	449	1761	232	5065	641
1995	1962	189	2585	266	3684	446	1752	230	4748	639
1996	1948	190	2613	265	3705	440	1794	236	4515	628
1997	1922	190	2630	265	3728	430	1846	245	4316	621
1998	1884	190	2634	265	3760	424	1891	249	4208	607
1999	1835	190	2623	266	3818	423	1877	241	4207	599
2000	1778	192	2597	268	3887	428	1852	231	4233	605
2005	1470	199	2269	278	3928	441	1996	232	4417	592
2010	1294	194	1886	279	3446	448	1902	235	4646	579
2015	1257	173	1705	253	2861	424	1697	225	4587	555
2020	1279	166	1697	234	2592	391	1411	216	3980	541
2025	1239	160	1712	225	2572	363	1296	199	3343	518
2030	1114	154	1620	218	2586	350	1298	186	3062	482

Resident Population according to Age (Thousands)

Aged from ... up to under ... Years	Resident Population at the End of the Year									
	1983		1984		1985		1986		1987	
	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
German										
0-1	271.3	257.7	270.1	255.9	270.6	258.8	289.3	275.1	292.9	276.1
1-2	279.0	264.3	271.1	257.5	270.0	255.9	270.6	258.8	267.4	273.5
2-3	276.3	263.2	279.2	264.6	271.4	257.8	270.3	256.1	270.0	257.9
3-4	273.8	261.0	276.5	263.6	279.5	264.8	271.7	258.2	269.8	255.3
4-5	257.0	245.3	274.1	261.4	276.9	263.9	279.9	265.2	271.8	258.2
5-6	255.0	242.5	257.4	245.8	274.5	261.7	277.3	264.4	279.6	265.1
6-7	256.7	243.5	255.4	243.0	257.7	246.1	274.9	262.2	277.7	264.7
7-8	261.3	249.7	257.1	243.9	255.8	234.4	258.1	246.5	277.0	263.7
8-9	255.5	243.1	261.8	250.1	257.5	244.3	256.3	243.8	259.6	247.4
9-10	262.2	250.4	255.9	243.5	262.1	250.5	257.9	244.7	257.2	244.3
10-11	270.7	259.5	262.7	250.9	256.3	243.8	262.6	250.9	259.0	245.5
11-12	307.6	293.9	271.1	259.9	263.1	251.2	256.7	244.3	264.9	252.4
12-13	352.2	335.2	308.0	294.3	271.4	260.3	263.4	251.6	259.1	245.8
13-14	373.0	357.0	352.6	335.7	308.3	294.6	271.8	260.7	269.1	256.5
14-15	426.8	408.2	373.4	357.4	352.6	336.0	308.7	294.9	276.5	264.4
15-16	463.0	441.6	427.1	408.6	373.7	357.7	353.2	336.3	315.8	301.2
16-17	483.6	462.3	463.2	442.0	427.3	408.9	373.9	358.0	358.4	341.8
17-18	499.0	477.1	483.6	462.7	463.2	442.2	427.4	409.2	383.8	367.1
18-19	502.0	478.7	498.9	477.3	483.5	463.0	463.3	442.5	434.9	415.5
19-20	514.0	490.3	502.1	478.8	498.9	477.5	483.6	463.4	468.4	448.7
20-21	509.3	487.1	514.0	490.4	502.2	479.1	499.0	477.8	489.6	470.6
21-22	491.3	469.3	509.4	487.4	514.1	490.7	502.4	479.4	501.2	482.7
22-23	489.1	468.2	491.4	469.5	509.5	487.7	514.3	491.1	502.0	481.9
23-24	471.9	451.2	489.5	468.4	491.5	469.8	509.8	488.2	512.6	492.8
24-25	461.3	483.3	472.3	451.6	489.7	468.8	491.9	470.2	508.0	489.7
25-26	440.5	418.5	461.8	438.6	472.7	451.9	490.1	469.2	490.3	473.6
26-27	431.7	410.8	440.9	418.9	462.0	438.9	473.0	452.2	487.0	471.6
27-28	414.9	398.8	432.1	411.1	441.2	419.0	462.3	439.2	470.0	455.0
28-29	398.9	380.1	415.4	397.2	432.4	411.3	441.6	419.3	458.8	441.8
29-30	398.3	382.2	399.5	380.5	415.7	397.5	432.6	411.6	438.3	421.9
30-65	12385.3	13315.7	12513.7	13342.1	12583.3	13268.3	12668.2	13218.1	12987.8	13324.0
65-	3059.3	5797.2	3031.9	5817.6	3058.4	5926.3	3091.4	6027.9	3171.9	6144.5
Total	26791.8	29940.7	26773.5	29870.3	26747.2	29791.7	26747.5	29731.1	27050.2	29895.6

Resident Population according to Age (Thousands)

Aged from ... up to under ... Years	Resident Population at the End of the Year									
	1983		1984		1985		1986		1987	
	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
Foreign										
31.5	29.7	27.7	26.6	28.3	26.6	31.1	29.6	35.0	32.9	0-1
35.5	34.2	29.9	28.5	28.5	27.3	30.1	28.4	32.1	30.2	1-2
38.6	36.7	33.4	32.4	30.3	28.8	30.1	28.8	30.5	28.5	2-3
39.4	37.5	36.3	34.7	33.8	32.7	31.8	30.1	30.4	28.7	3-4
38.2	36.9	37.0	35.4	36.5	34.9	35.1	33.9	31.4	29.6	4-5
38.9	36.8	35.6	34.7	37.0	35.6	37.6	36.1	34.5	32.3	5-6
37.9	36.8	34.4	33.3	34.3	33.7	36.8	35.7	35.7	33.0	6-7
38.5	38.5	33.4	33.3	33.1	32.5	34.2	33.8	35.1	33.1	7-8
40.0	40.1	35.4	36.1	33.3	33.3	34.1	33.5	33.5	31.6	8-9
43.9	45.8	36.7	37.6	35.4	36.1	34.4	34.2	33.6	31.0	9-10
45.0	45.1	40.9	43.4	36.7	37.6	36.4	37.0	33.6	31.7	10-11
45.0	44.5	42.1	42.7	41.0	43.6	37.9	38.7	36.2	33.6	11-12
45.1	43.6	42.2	42.3	42.2	42.8	42.2	44.4	37.3	34.8	12-13
42.7	39.3	42.6	41.3	42.5	42.3	43.6	43.7	37.9	35.3	13-14
41.1	37.1	40.3	37.2	43.3	41.6	44.4	43.3	39.2	35.8	14-15
41.4	35.6	40.3	35.2	41.7	37.8	46.1	42.9	40.2	35.9	15-16
38.5	33.1	39.6	33.6	41.2	35.5	43.7	39.1	40.1	35.7	16-17
43.9	35.5	37.7	31.9	40.4	34.1	42.7	36.8	38.5	34.6	17-18
45.9	36.2	44.0	35.3	39.4	33.2	42.8	36.4	38.6	34.7	18-19
46.8	37.0	45.6	36.7	45.4	37.2	41.4	36.3	37.5	34.8	19-20
45.5	36.0	47.8	37.9	48.3	39.3	49.0	41.1	36.8	33.9	20-21
43.2	35.6	46.7	36.4	51.1	39.7	52.4	42.4	43.1	37.3	21-22
40.3	34.0	44.3	35.8	49.9	38.2	55.8	43.0	46.4	38.2	22-23
44.7	38.6	41.3	34.5	47.8	37.6	55.1	40.9	49.9	38.7	23-24
43.6	36.0	45.3	38.7	44.4	36.0	52.9	40.2	49.3	36.5	24-25
46.3	35.8	44.0	36.1	48.1	40.0	48.9	38.4	47.1	36.0	25-26
47.3	35.5	46.3	35.6	46.2	37.3	52.7	42.2	42.1	34.1	26-27
51.7	38.9	46.8	35.0	47.9	36.5	49.6	39.1	45.8	37.2	27-28
48.5	42.3	50.6	38.1	48.3	35.8	51.2	38.2	42.9	34.6	28-29
46.7	46.5	47.3	41.1	51.5	38.6	50.9	37.6	43.6	34.1	29-30
1180.4	853.7	1130.4	846.9	1149.6	876.2	1191.8	915.9	1162.0	854.8	30-65
57.1	67.1	60.4	70.9	65.5	76.4	70.9	82.9	49.4	49.8	65-
2514.0	2060.2	2406.2	1999.3	2442.8	2038.8	2537.9	2124.0	2369.2	1923.1	Total

Forecast of Resident Population according to Age (Thousands)

Aged from ... up to ... under ... Years	Resident Population at the End of the Year									
	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997
	German and Foreign Total									
0 - 1	644	650	653	653	648	639	626	610	590	569
1 - 2	634	643	649	652	652	647	638	625	609	589
2 - 3	625	635	644	650	653	653	648	639	627	610
3 - 4	591	627	637	645	651	655	654	650	641	628
4 - 5	588	592	628	638	647	653	656	655	651	642
5 - 6	595	590	594	629	639	648	654	657	657	652
6 - 7	617	596	591	595	631	641	649	656	659	658
7 - 8	618	619	598	593	597	632	642	651	657	660
8 - 9	613	620	620	599	594	598	634	644	652	658
9 - 10	579	614	621	622	601	596	600	635	645	654
10 - 11	571	577	616	623	623	602	597	601	637	647
11 - 12	574	573	579	617	625	625	604	599	602	638
12 - 13	590	576	574	581	619	626	626	605	600	604
13 - 14	581	592	578	576	582	620	627	628	607	601
14 - 15	605	582	593	579	577	584	622	629	629	608
15 - 16	623	606	584	595	581	579	585	623	630	630
16 - 17	694	624	608	585	596	582	580	586	624	632
17 - 18	781	696	626	609	587	597	583	581	587	626
18 - 19	817	782	697	627	610	588	598	584	582	589
19 - 20	918	818	783	698	628	611	589	600	585	583
20 - 21	987	919	819	784	699	629	612	590	601	586
21 - 22	1026	987	920	820	785	700	630	613	591	602
22 - 23	1069	1027	988	921	821	786	701	631	615	592
23 - 24	1078	1069	1028	989	922	822	787	702	632	616
24 - 25	1106	1079	1070	1029	990	922	823	788	703	633
25 - 26	1096	1107	1080	1071	1030	991	923	824	789	704
26 - 27	1057	1097	1108	1081	1072	1031	992	924	825	790
27 - 28	1048	1058	1097	1108	1082	1073	1031	993	925	826
28 - 29	1022	1049	1059	1098	1109	1082	1074	1032	994	926
29 - 30	992	1023	1050	1059	1099	1110	1083	1074	1033	994
30 - 35	4549	4667	4817	4960	5087	5234	5352	5413	5437	5410
35 - 40	4272	4289	4301	4374	4455	4564	4681	4831	4973	5099
40 - 45	3698	3764	4022	4156	4247	4277	4295	4306	4379	4458
45 - 50	4621	4389	3960	3704	3674	3678	3744	3998	4131	4220
50 - 55	4428	4613	4759	4812	4693	4538	4312	3892	3643	3614
55 - 60	3474	3543	3651	3826	4031	4296	4477	4622	4674	4558
60 - 65	3369	3420	3444	3429	3392	3310	3380	3487	3658	3854
65 -	9435	9503	9608	9702	9797	9929	10049	10179	10253	10300
Total	61180	61214	61251	61286	61321	61346	61359	61357	61324	61259

Forecast of Resident Population according to Age (Thousands)

Aged from ... up to ... under ... Years	Resident Population at the End of the Year									
	1998	1999	2000	2005	2010	2015	2020	2025	2030	
	German and Foreign Total									
0 - 1	546	524	504	433	418	424	417	380	323	0 - 1
1 - 2	568	546	524	442	418	422	420	388	340	1 - 2
2 - 3	590	569	547	455	420	421	424	398	350	2 - 3
3 - 4	611	592	571	471	425	420	426	406	361	3 - 4
4 - 5	629	613	593	489	431	419	427	413	371	4 - 5
5 - 6	643	630	614	510	439	419	427	419	382	5 - 6
6 - 7	653	645	632	532	449	421	426	424	392	6 - 7
7 - 8	659	655	646	556	462	423	425	428	401	7 - 8
8 - 9	661	661	657	579	478	428	424	430	410	8 - 9
9 - 10	660	663	663	602	497	434	423	431	417	9 - 10
10 - 11	655	661	664	623	517	442	423	431	423	10 - 11
11 - 12	648	656	663	641	540	452	425	430	428	11 - 12
12 - 13	639	649	658	655	563	466	428	429	428	12 - 13
13 - 14	605	641	651	665	587	481	432	428	434	13 - 14
14 - 15	603	606	643	671	609	500	438	427	435	14 - 15
15 - 16	609	604	608	673	630	520	446	427	435	15 - 16
16 - 17	632	611	606	671	648	542	457	429	434	16 - 17
17 - 18	633	633	612	666	662	566	470	432	433	17 - 18
18 - 19	627	634	634	659	672	589	485	436	432	18 - 19
19 - 20	590	628	635	650	677	611	503	442	431	19 - 20
20 - 21	584	591	629	616	679	632	524	449	430	20 - 21
21 - 22	587	585	592	613	677	649	545	460	432	21 - 22
22 - 23	603	588	587	619	672	663	568	472	434	22 - 23
23 - 24	593	604	590	641	665	673	592	488	439	23 - 24
24 - 25	617	594	605	642	656	679	614	506	444	24 - 25
25 - 26	634	618	596	636	621	680	634	526	452	25 - 26
26 - 27	705	635	619	599	619	678	652	548	462	26 - 27
27 - 28	791	706	637	594	625	673	666	571	475	27 - 28
28 - 29	827	792	707	597	647	666	675	594	491	28 - 29
29 - 30	927	828	793	612	648	657	681	616	509	29 - 30
30 - 35	5306	5123	4869	3306	3067	3166	3166	3320	2868	30 - 35
35 - 40	5246	5363	5424	4891	3408	3069	3174	3372	3325	35 - 40
40 - 45	4566	4682	4833	5428	4892	3400	3070	3172	3368	40 - 45
45 - 50	4250	4267	4278	4801	5388	4844	3374	3047	3147	45 - 50
50 - 55	3619	3685	3934	4207	4718	5290	4756	3315	2995	50 - 55
55 - 60	4408	4190	3783	3827	4090	4582	5137	4616	3221	55 - 60
60 - 65	4107	4280	4418	3616	3663	3909	4378	4910	4406	60 - 65
65 -	10332	10486	10660	11782	11946	12004	12138	12655	13601	65 -
Total	61168	61033	60876	59749	58221	56311	54285	52061	49570	Total

Forecast of Resident Population according to Age (Thousands)

Aged from ... up to ... under ... Years	Resident Population at the End of the Year									
	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997
German	Total									
0-1	585	591	594	594	589	580	567	550	530	509
1-2	574	583	589	592	592	587	578	565	548	529
2-3	563	575	583	589	592	592	587	578	565	549
3-4	530	563	575	584	590	593	592	587	579	566
4-5	527	531	563	575	584	590	593	592	588	579
5-6	531	528	531	564	576	584	590	593	593	588
6-7	546	531	528	531	564	576	585	591	594	593
7-8	543	547	532	529	532	565	577	585	591	594
8-9	538	544	547	533	529	533	565	577	586	592
9-10	506	539	544	548	533	530	533	566	578	586
10-11	501	507	540	545	549	534	530	534	566	578
11-12	504	502	507	540	545	549	534	531	534	567
12-13	515	505	503	508	541	546	550	535	531	535
13-14	502	515	505	503	508	541	546	550	535	532
14-15	516	503	516	506	504	509	542	547	551	536
15-16	534	517	503	517	506	504	509	542	547	551
16-17	605	534	517	504	517	507	505	510	543	548
17-18	690	605	535	518	504	517	507	505	510	543
18-19	732	691	605	535	518	505	518	507	505	510
19-20	837	733	691	605	535	518	505	518	507	505
20-21	906	837	733	691	605	535	518	505	518	507
21-22	947	906	836	733	691	606	535	518	505	518
22-23	977	947	905	836	733	691	606	535	519	505
23-24	982	976	947	905	836	733	691	606	535	519
24-25	1005	981	976	946	905	836	733	691	606	536
25-26	998	1005	982	976	947	905	837	733	691	606
26-27	962	998	1005	982	977	947	906	837	733	691
27-28	960	963	998	1006	982	977	947	906	837	733
28-29	926	960	963	998	1006	982	977	947	906	837
29-30	902	926	960	963	998	1006	982	977	947	906
30-35	4085	4203	4348	4493	4611	4748	4852	4908	4925	4909
35-40	3780	3802	3822	3889	3975	4082	4200	4343	4488	4606
40-45	3235	3290	3519	3645	3730	3766	3787	3808	3874	3959
45-50	4275	4031	3591	3311	3255	3228	3265	3491	3615	3699
50-55	4175	4339	4461	4500	4363	4196	3959	3528	3356	3201
55-60	3308	3361	3455	3612	3800	4047	4208	4328	4367	4234
60-65	3263	3305	3319	3294	3244	3148	3203	3297	3449	3629
65-	9262	9319	9410	9490	9570	9685	9787	9895	9948	9969
Total	56342	56289	56239	56189	56136	56075	56003	55916	55799	55651

Forecast of Resident Population according to Age (Thousands)

Aged from ... up to ... under ... Years	Resident Female Population at the End of the Year									
	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997
German										
0-1	285	288	289	289	286	282	276	268	258	248
1-2	280	284	287	288	288	286	281	275	267	258
2-3	274	280	284	287	288	288	286	282	275	267
3-4	259	275	280	284	287	289	288	286	282	275
4-5	257	259	275	280	284	287	289	288	286	282
5-6	259	257	260	275	280	284	287	289	289	286
6-7	266	259	257	260	275	281	285	288	289	289
7-8	265	266	259	257	260	276	281	285	288	289
8-9	263	265	266	260	258	260	276	281	285	288
9-10	247	263	266	267	260	258	261	276	281	285
10-11	245	248	263	266	267	260	258	261	276	282
11-12	245	245	248	264	266	267	260	258	261	277
12-13	252	246	245	248	264	266	268	261	259	261
13-14	245	252	246	245	248	264	267	268	261	259
14-15	252	245	252	246	246	249	265	267	268	261
15-16	261	253	246	252	247	246	249	265	267	268
16-17	296	262	253	246	253	247	246	249	265	267
17-18	337	296	262	253	246	253	247	246	249	265
18-19	358	337	296	262	253	246	253	247	246	249
19-20	409	358	337	296	262	253	246	253	247	247
20-21	443	409	358	337	296	262	253	246	253	247
21-22	463	443	409	359	337	296	262	253	246	253
22-23	478	463	443	409	359	337	296	262	254	246
23-24	479	478	463	443	409	359	337	296	262	254
24-25	491	479	478	463	443	409	360	337	296	262
25-26	488	491	480	478	464	443	410	359	338	297
26-27	471	489	492	480	478	464	443	410	359	338
27-28	470	471	489	492	480	478	464	443	410	359
28-29	453	470	471	489	492	480	479	464	443	410
29-30	440	453	470	471	489	492	480	479	464	444
30-35	1996	2052	2124	2196	2255	2325	2377	2404	2413	2406
35-40	1847	1863	1874	1906	1948	1998	2054	2125	2197	2256
40-45	1623	1631	1736	1792	1828	1846	1860	1871	1904	1945
45-50	2139	2019	1801	1663	1634	1616	1625	1728	1784	1820
50-55	2101	2185	2249	2268	2200	2116	1998	1783	1646	1618
55-60	1689	1716	1762	1842	1937	2063	2146	2208	2227	2160
60-65	1826	1795	1763	1724	1688	1640	1666	1713	1791	1884
65-	6147	6192	6242	6272	6286	6307	6321	6340	6330	6304
Total	29597	29534	29472	29408	29342	29272	29197	29114	29017	28904

Population, Economy and Public Spending

Resident Population according to Employment

Year)	Resident Population									
	Total		of which Labour Force							
			Total		Persons in Employment				Unemployed	
	Total	Female			Total	Female	Total	Female		
			Total	Female					Total	Female
Total	Female	Total			Female	Total	Female	Total		
	Thousands									
1960	55433	29459	26518	26247	9747	279	43	3 3	271	92
1965	58619	30832	27034	26887	9803	1119	269	1.1	147	42
1970	60651	31784	26817	26668	9582	1807	529	9.6	149	56
1975	61829	32330	26884	25810	9608	2061	651	773.3	1074	452
1980	61566	32149	27217	26328	9829	2018	625	136.6	889	462
1981	61682	32181	27416	26144	9818	1912	586	346.9	1272	619
1982	61638	32156	27542	25709	9723	1787	549	606.1	1833	812
1983	61423	32058	27589	25331	9595	1694	520	675.1	2258	985
1984	61175	31934	27629	25363	9658	1609	495	383.7	2266	989
1985	61024	31843	27844	25540	9751	1568	484	234.5	2304	1015
1986	61066	31833	28024	25796	9911	1570	483	197.4	2228	1028
1987	61077	31754	29361	27132	10500	1577	486	278.0	2229	1021
1988	61418	31889	29543	27301	10700	1610	501	207.8	2242	1043
1989	62260	32300	29889	27744	10794	1678	520	107.9	2145	1101
	Index (1975 = 100)									
1960	90	91	99	102	101	14	7	0	25	20
1965	95	95	101	104	102	54	41	0	14	9
1970	98	98	100	103	100	88	81	1	14	12
1975	100	100	100	100	100	100	100	100	100	100
1980	100	99	101	102	102	98	96	18	83	102
1981	100	100	102	101	102	93	90	45	118	137
1982	100	99	102	100	101	87	84	78	171	180
1983	99	99	103	98	100	82	80	87	210	218
1984	99	99	103	98	101	78	76	50	211	219
1985	99	98	104	99	101	76	74	30	214	225
1986	99	98	104	100	103	76	74	26	207	228
1987	99	98	109	105	109	77	75	36	207	226
1988	99	99	110	106	111	78	77	27	209	231
1989	101	100	111	107	112	81	80	26	200	244

¹⁾ Average, ²⁾ New figures which take into account the 1987 Census
Source: Federal Statistical Office, Federal Employment Office

Population, Economy and Public Spending

Labour Force according to Age Groups, and Labour Force Participation Rates

Sex	Year ¹⁾	Labour Force															
		Total Aged from ... up to under ... Years															
		15-20		20-25		25-30		30-40		40-50		50-55		55-60		60-65	
Total	1960	26653	2918	4087	2846	5300	4300	2592	2242	1368	834						
	1970	26617	2211	2898	2826	6428	5600	1773	2168	1699	1000						
	1980	27640	2367	3333	3048	6280	6732	2730	2097	604	450						
	1988	29681	1709	4084	3905	6792	6689	3228	2236	755	282						
	1989	29889	1515	3954	4086	7014	6706	3425	2161	768	260						
Male	1960	16716	1506	2285	1868	3453	2684	1718	1573	992	546						
	1970	17027	1167	1646	1859	4481	3560	1068	1377	1201	660						
	1980	17161	1312	1836	1805	4061	4416	1777	1266	420	268						
	1988	17904	934	2182	2249	4162	4134	1474	535	535	167						
	1989	17994	821	2120	2323	4279	4141	2183	1424	549	153						
Female	1960	9937	1411	1802	977	1847	1616	874	669	377	287						
	1970	9591	1044	1252	967	1947	2040	705	971	499	341						
	1980	10478	1055	1497	1243	2220	2316	953	830	183	182						
	1988	11777	775	1903	1656	2631	2555	1161	762	220	115						
	1989	11895	694	1835	1762	2735	2565	1242	786	219	107						
As Percentage of the Resident Population of the Same Age (Labour Force Participation Rate)																	
Total	1960	47.7	75.9	83.5	74.9	69.7	65.7	62.8	58.8	43.1	13.6						
	1970	43.9	54.5	78.2	72.6	73.1	71.5	65.7	59.1	44.5	11.7						
	1980	44.9	45.0	76.7	76.4	77.2	76.1	69.6	56.9	25.6	4.6						
	1988	48.4	42.5	78.5	77.9	80.1	79.9	73.7	60.4	21.4	2.9						
	1989	48.3	40.8	76.9	78.4	80.4	80.5	73.9	59.8	21.6	2.6						
Male	1960	63.6	76.7	90.8	95.9	97.9	96.5	94.1	89.0	72.6	22.0						
	1970	59.1	55.4	86.0	92.9	98.6	97.7	95.1	89.2	74.7	19.7						
	1980	58.4	48.5	82.0	90.2	97.8	97.5	93.3	82.3	44.2	7.4						
	1988	60.7	45.5	81.4	87.5	96.7	96.8	93.2	79.8	34.5	4.9						
	1989	60.4	43.2	79.6	87.0	96.7	97.0	93.0	78.6	34.2	4.5						
Female	1960	33.6	75.0	75.7	52.7	45.2	43.0	37.9	32.7	20.9	7.8						
	1970	30.2	53.6	69.8	51.2	45.8	48.7	44.8	37.3	22.6	6.5						
	1980	32.6	41.4	71.1	62.5	55.8	53.7	47.1	38.7	13.0	3.0						
	1988	37.0	39.5	75.4	67.7	63.0	62.3	53.7	41.1	11.1	1.8						
	1989	37.1	38.4	74.1	69.3	63.6	63.2	54.4	40.9	11.2	1.1						

1) Result of micro-census

Population, Economy and Public Spending

Resident Population and Labour Force according to Type of Qualification obtained in General Schools 1989¹⁾

Aged from ... up to ... under ...	Cate- gory of Popu- lation	Resident Population and Labour Force						
		Total			of which			with a Quali- Secondary General School Certificate
		Not yet or still in School Education						
		Total	Male	Female	Total	Male	Female	
Thousands			Per Cent					
— 15	R	9072	4665	4406	100.0	100.0	100.0	—
	LF	—	—	—	—	—	—	—
15—20	R	3712	1903	1809	47.6	48.1	47.2	27.8
	LF	1515	821	694	4.3	4.5	4.1	53.3
20—25	R	5139	2662	2477	2.6	2.9	2.3	38.6
	LF	3954	2120	1835	0.7	0.7	0.7	44.4
25—30	R	5214	2670	2544	0.9	1.0	0.8	44.1
	LF	4086	2323	1762	0.6	0.6	0.5	46.1
30—40	R	8725	4426	4300	0.6	0.6	0.7	54.6
	LF	7014	4279	2735	0.5	0.5	0.5	53.4
40—50	R	8328	4268	4060	0.8	0.7	0.8	65.7
	LF	6706	4141	2565	0.7	0.7	0.6	63.9
50—60	R	8242	4159	4084	0.9	0.8	0.9	77.0
	LF	5586	3607	1978	0.7	0.7	0.7	74.2
60—65	R	3563	1605	1958	1.0	1.0	1.0	76.8
	LF	768	549	219	0.9	—	—	64.4
65—	R	9878	3421	6457	1.5	1.2	1.6	80.0
	LF	260	153	107	—	—	—	65.5
Total	R	61872	29777	32095	18.4	19.6	17.3	52.6
	LF	29889	17994	11895	0.8	0.8	0.8	57.8

R = Resident Population
LF = Labour Force

¹⁾ Result of micro-census

Population, Economy and Public Spending

Resident Population and Labour Force according to Type of Qualification obtained in General Schools 1989¹⁾ (cont.)

Resident Population and Labour Force								Category of Population	Aged from ... up to under ...
of which									
Qualification obtained in General Schools									
Secondary General School Certificate			Intermediate School Certificate or Equivalent			University, College and Fachhochschule Entrance Qualification			
Male	Female	Total	Male	Female	Total	Male	Female		
Per Cent									
								R LF	- 15
31.1	24.3	20.5	17.3	23.9	4.1	3.5	4.6	R LF	15-20
60.8	44.5	38.7	31.5	47.2	3.7	3.2	4.2	LF	
43.6	33.1	32.2	26.9	37.8	26.7	26.6	26.7	R	20-25
52.9	34.6	37.9	31.1	45.9	16.9	15.3	18.8	LF	
47.6	40.5	27.9	22.6	33.4	27.1	28.7	25.4	R	25-30
53.1	36.9	30.2	24.8	37.5	23.1	21.5	25.2	LF	
54.1	55.2	21.7	18.1	25.5	23.0	27.2	18.6	R	30-40
54.7	51.4	21.7	18.4	26.9	24.4	26.4	21.2	LF	
64.3	67.2	19.2	16.5	22.0	14.3	18.5	9.9	R	40-50
63.9	63.8	19.4	16.8	23.5	16.1	18.6	12.0	LF	
75.5	78.5	13.7	12.2	15.2	8.5	11.5	5.4	R	50-60
73.9	74.9	14.4	12.8	17.2	10.6	12.5	7.2	LF	
74.2	79.0	13.5	12.6	14.3	8.6	12.1	5.8	R	60-65
62.8	68.5	16.6	15.9	18.4	18.1	20.4	12.3	LF	
75.6	82.3	12.4	12.0	12.6	6.2	11.2	3.6	R	65-
58.7	75.2	13.7	12.1	16.1	20.3	28.6	8.4	LF	
50.6	54.4	16.5	14.4	18.5	12.5	15.4	9.8	R	Total
60.8	53.4	23.8	19.7	30.0	17.5	18.7	15.8	LF	

Population, Economy and Public Spending

Gross National Product, National Income and Gross Wage and Salary Income

Year	Gross National Product			Capital Con- sumption	Indirect Taxes ¹⁾	National Income		
	Current Prices	1980 Prices	Current Prices					
	DM Billion		DM per Inhabit- ant	Per Cent ³⁾		DM Billion	DM per Inhabit- ant	DM per Person in Employ- ment
1960	303.0	731.7	5466	7.8	13.0	240.1	4332	9148
1965	458.2	922.7	7817	9.5	12.3	358.5	6115	13332
1970	675.7	1134.0	11141	10.1	11.4	530.4	8745	19889
1971	751.8	1168.0	12267	10.3	11.4	588.2	9598	21970
1972	825.1	1217.0	13379	10.3	11.4	645.3	10464	24013
1973	918.9	1274.1	14827	10.3	11.1	721.9	11648	26579
1974	985.6	1276.5	15883	10.8	10.8	773.0	12456	28811
1975	1029.4	1258.0	16649	11.3	10.7	803.6	12997	30776
1976	1126.2	1328.2	18303	11.0	10.6	882.2	14337	33963
1977	1199.2	1363.4	19531	11.1	10.7	938.3	15282	36079
1978	1291.6	1407.9	22161	11.1	10.7	1010.2	16473	38531
1979	1396.6	1463.6	22761	11.2	10.9	1087.9	17730	40819
1980	1485.2	1485.2	24124	11.7	11.0	1148.6	18656	42448
1981	1545.1	1485.3	25049	12.2	11.0	1187.3	19248	43919
1982	1597.1	1471.0	25911	12.6	10.8	1223.5	19850	45782
1983	1680.4	1498.9	27358	12.6	10.9	1286.2	20941	48819
1984	1769.9	1548.1	28932	12.6	10.8	1357.9	22197	51450
1985	1844.3	1578.1	30223	12.6	10.4	1420.0	23270	53399
1986	1945.2	1614.7	31854	12.4	10.0	1509.5	24718	55989
1987	2015.6	1639.8	33001	12.4	10.0	1565.3	25628	57639
1988 ^{a)}	2123.2	1700.5	34552	12.3	9.9	1653.2	26904	60406
1989 ^{b)}	2261.3	1766.0	36478	12.2	10.3	1751.8	28260	63149

¹⁾ Less subsidies

²⁾ Income tax, social security contributions

³⁾ Percentage of gross national product in current prices

⁴⁾ Percentage of national income

⁵⁾ Percentage of gross wage and salary income

Population, Economy and Public Spending

Gross National Product, National Income and Gross Wage and Salary Income (cont.)

Gross Wage and Salary Income		Employ-ers' Contri-butions	Gross Wage and Salary Bill		Deduc-tions ²⁾	Net Wage and Salary Bill		Year
Current Prices								
DM Billion	Per Cent ⁴⁾	Per Cent ⁵⁾	DM Billion	Per worker ⁶⁾	Per Cent ⁷⁾	DM Billion	Per worker ⁶⁾	
144.4	60.1	13.7	124.5	512	15.8	104.9	431	1960
234.1	65.3	13.2	203.1	778	17.1	168.3	645	1965
360.6	68.0	14.6	307.9	1153	22.5	238.6	894	1970
409.1	69.6	14.9	348.2	1284	23.8	265.2	978	1971
450.3	69.8	15.4	380.7	1389	23.7	290.7	1060	1972
510.9	70.8	16.1	428.6	1538	26.1	316.7	1136	1973
563.1	72.9	16.6	469.6	1699	27.1	342.4	1239	1974
587.2	73.1	17.3	485.9	1802	26.9	355.4	1318	1975
631.3	71.6	17.9	518.2	1918	28.6	369.8	1369	1976
676.0	72.0	17.8	556.0	2042	29.4	392.5	1442	1977
721.6	71.4	17.9	592.1	2149	28.7	422.4	1533	1978
777.9	71.5	18.1	637.0	2262	28.4	456.1	1619	1979
844.4	73.5	18.3	690.2	2407	29.4	487.2	1699	1980
883.0	74.4	18.5	719.4	2508	29.7	505.8	1763	1981
902.5	73.8	18.6	734.8	2590	30.5	510.8	1801	1982
920.9	71.6	19.0	745.8	2668	31.2	513.4	1837	1983
954.0	70.3	19.3	769.5	2746	32.0	523.4	1868	1984
991.0	69.8	19.4	798.4	2824	32.9	536.1	1896	1985
1041.4	69.0	19.5	838.4	2922	32.6	564.7	1968	1986
1083.4	69.2	19.5	871.6	3009	33.4	580.5	2004	1987
1126.0	68.1	19.5	906.1	3099	33.2	605.4	2071	1988 ⁸⁾
1176.6	67.2	19.4	948.2	3192	33.8	627.5	2112	1989 ⁸⁾

⁶⁾ average monthly amount in DM

⁷⁾ Percentage of gross wage and salary bill

⁸⁾ Preliminary results



Definitions

Levels of Education

In this presentation levels of education are defined by the duration of education and training:

- The primary level comprises schools which provide general basic education during a time span from four up to mainly six years. This general education is part of compulsory schooling, and pupils are normally enrolled at the age of six.
- The secondary level generally comprises two educational cycles of different length and includes general education as well as vocational training. In most countries, the longer cycle (secondary level stage I) covers the years up to the end of compulsory schooling. The following, shorter cycle (secondary level stage II) provides qualifications entitling its holder to go on to further studies. In many countries, teacher training for institutions at the pre-school and primary levels is provided during this shorter cycle.
- The higher education level comprises training and studies after completion of compulsory schooling. Students usually enrol at the age of 18 or 19. Technical schools and similar institutions are grouped under this level.



Contents

Population in the EC Countries	with a Higher Education Degree	144 to 145
Persons in Employment in EC Countries	by Highest Education Completed	146 to 147
Pupils and Students	Primary Level	148 to 149
	Secondary Level, Stage I	150 to 151
	Secondary Level, Stage II	152 to 153
	Higher Education	154 to 155

Resident Population over 14¹⁾ with a Higher Education Degree in the EC Countries²⁾ in 1988 (Per cent)

Key	Sex	Federal Republic of Germany	Belgium	Denmark	France
Population over 14 years of age ¹⁾	Males	30	22	25	20
	Females	12	14	18	16
	Total	21	18	22	17
of which Persons in Employment	Males	34	29	32	25
	Females	19	32	27	26
	Total	29	30	30	25
Unemployed Persons	Males	15	9	16	10
	Females	13	7	12	9
	Total	14	8	14	9
Persons not in Employment	Males	20	9	6	10
	Females	6	5	4	7
	Total	10	6	5	8
Population aged ...to under... years					
14-25	Males	3	15	3	7
	Females	3	21	2	11
	Total	4	18	3	9
25-50	Males	40	29	36	27
	Females	21	23	31	24
	Total	30	26	34	25
50-65	Males	30	16	29	15
	Females	8	7	16	9
	Total	18	12	22	11
65 +	Males	24	11	8	13
	Females	5	3	3	4
	Total	12	7	4	8

Resident Population over 14¹⁾ with a Higher Education Degree in the EC Countries²⁾ in 1988 (Per cent) (cont.)

Greece	Great Britain and Northern Ireland	Ireland	Italy	Luxembourg	Portugal	Spain
27	25	25	5	20	7	7
17	18	18	3	8	6	5
22	22	21	4	13	7	6
29	29	31	7	24	9	9
33	23	35	8	18	13	14
30	26	33	7	22	10	11
24	7	9	1	10	2	4
18	11	15	2	25	1	7
21	8	12	2	18	2	5
20	12	10	2	4	3	3
7	11	8	1	4	1	2
10	11	7	1	4	2	2
10	11	15	0	5	2	2
14	9	17	0	4	3	4
12	10	16	0	5	2	3
36	32	39	7	27	11	10
25	23	29	6	14	10	9
30	27	33	6	21	11	10
21	22	16	5	12	7	6
8	14	10	2	5	4	3
14	18	12	3	9	6	4
19	•	10	4	8	5	3
6	•	6	1	3	3	5
11	•	6	2	4	3	2

1) Not including persons in education or training 1988

2) Excluding the Netherlands

Source: SAEG

9 International Comparison

Persons in Employment in EC Countries¹⁾ in 1988 by Highest Education Completed (Per cent)

Type of Qualification	Federal Republic of Germany	Belgium	Denmark	France
Without Qualification	7.2	•	•	28.6
With Qualification of which	92.8	100.0	100.0	71.4
Primary Education	—	38.2	1.9	22.9
Secondary Education Stage I	39.4	28.9	46.3	30.4
Secondary Education Stage II	41.2	19.9	38.3	6.8
Third Level of which other than Higher Education	10.8	13.0	10.7	7.5
Higher Education	4.8	9.0	6.2	5.0
Post-graduate Studies	6.0	3.8	4.5	2.5
Total	1.4	•	2.8	3.8
Total	100.0	100.0	100.0	100.0

¹⁾ Excluding the Netherlands
Source: SAEG

9 International Comparison

Persons in Employment in EC Countries in 1988 by Highest Education Completed (Per cent) (cont.)

Greece	Great Britain and Northern Ireland	Ireland	Italy	Luxembourg	Portugal	Spain
6.5	0.3	1.1	1.1	1.2	33.4	21.6
93.5	99.7	98.9	98.9	98.8	66.6	78.4
51.9	4.7	39.9	9.1	55.2	49.3	39.7
8.3	65.8	25.4	68.5	26.7	8.9	20.0
20.1	16.2	23.2	17.5	8.1	4.4	12.0
12.8	11.9	9.8	3.8	8.4	3.9	6.7
4.4	5.6	5.4	•	4.8	1.6	•
8.4	6.3	4.4	•	3.6	2.3	•
0.4	1.1	0.6	•	0.4	0.1	•
100.0	100.0	100.0	100.0	100.0	100.0	100.0



International Comparison

Pupils and Students according to Countries and Levels

Year	Federal Republic of Germany	Belgium	Denmark	France	Greece	United Kingdom
------	-----------------------------	---------	---------	--------	--------	----------------

Primary Level

Attendance from ... up to under ... Years

6-10 6-12 7-13 6-11 6-12 5-11

Pupils in Thousands

1970	3973	1044	454	5147	920	5847
1975	3903	959	491	4838	939	5780
1980	2784	857	435	4909	901	4962
1981	2602	836	432	4787	892	4739
1982	2452	812	432	4572	890	4522
1983	2366	789	427	4424	888	4369
1984	2306	784	415	4304	892	4318
1985	2272	758	403	4147	900	4337
1986	2288	728	392	4047	888	4322

Percentage of the Population of the Same Age

1980	103.3	103.5	97.5	116.5	103.1	102.8
1981	103.5	103.4	98.8	115.1	103.4	98.2
1982	102.0	105.6	99.5	112.7	105.1	103.7
1983	100.9	103.1	98.1	111.3	106.1	103.8
1984	100.7	105.0	96.6	112.0	106.4	103.7
1985	99.3	103.5	95.2	111.3	106.8	103.9
1986	98.6	98.9	99.7	108.4	104.6	102.8

Percentage of the Total Population

1980	4.5	8.7	8.5	9.2	9.3	8.9
1981	4.2	8.5	8.4	8.9	9.2	8.5
1982	4.0	8.2	8.4	8.4	9.1	8.1
1983	3.9	8.0	8.3	8.1	9.0	7.7
1984	3.8	8.0	8.1	7.9	9.0	7.7
1985	3.7	7.7	7.9	7.5	9.1	7.7
1986	3.7	7.4	7.7	7.3	8.9	7.6

Percentage of the Labour Force

1980	10.4	20.6	17.7	21.1	26.1	18.8
1981	9.3	20.1	16.2	20.5	24.3	18.2
1982	8.7	18.8	17.5	19.4	23.1	17.0
1983	8.3	18.3	15.6	18.6	23.3	16.3
1984	8.5	19.0	16.7	18.1	21.3	16.0
1985	8.3	18.0	14.6	17.4	23.2	15.7
1986	8.3	17.7	13.8	17.3	22.8	15.8

International Comparison

Pupils and Students according to Countries Laender and Levels (cont.)

Ireland	Italy	Luxembourg	Netherlands	Portugal	Spain	Year
---------	-------	------------	-------------	----------	-------	------

Primary Level

Attendance from ... up to under ... Years

6-12 6-11 6-12 6-12 6-12 6-11

Pupils in Thousands

400	4929	32	1530	1147	3559	1970
414	4880	32	1523	1212	3697	1975
430	4437	27	1403	1163	3697	1980
431	4345	26	1340	1179	3725	1981
432	4215	25	1271	1306	3732	1982
429	4073	•	1209	1228	3706	1983
429	3914	•	1163	1275	3669	1984
428	3724	24	1177	•	3582	1985
420	•	22	1097	1179	3413	1986

Percentage of the Population of the Same Age

•	127.7	95.0	101.5	112.2	113.3	1980
102.5	100.0	96.7	100.2	114.7	113.6	1981
103.3	97.0	96.2	100.2	128.5	114.9	1982
102.1	102.2	•	100.4	119.7	115.5	1983
102.6	96.4	•	101.5	125.6	115.9	1984
101.9	95.4	99.2	106.7	•	114.0	1985
100.0	•	88.0	97.8	121.3	109.8	1986

Percentage of the Total Population

12.6	7.8	7.4	10.0	12.3	9.9	1980
12.5	7.6	7.1	9.4	12.4	9.9	1981
12.4	7.4	6.8	8.9	13.1	9.8	1982
12.2	7.2	•	8.4	12.4	9.7	1983
12.1	6.9	•	8.1	12.7	9.5	1984
12.1	6.5	6.6	8.1	•	9.4	1985
11.9	•	5.9	7.5	11.5	8.8	1986

Percentage of the Labour Force

35.1	19.5	16.8	26.4	26.5	27.7	1980
34.5	18.8	16.0	24.5	27.0	27.8	1981
36.5	18.3	15.5	22.8	33.8	27.5	1982
32.8	17.7	•	20.8	31.6	27.1	1983
31.6	16.7	•	20.5	32.9	26.8	1984
32.6	15.9	15.5	20.6	•	25.6	1985
32.4	•	14.0	19.0	26.5	24.8	1986

Pupils and Students according to Countries and Levels (cont.)

Year	Federal Republic of Germany	Belgium	Denmark	France	Greece	United Kingdom
------	-----------------------------	---------	---------	--------	--------	----------------

Secondary Level, Stage I

Attendance from ... up to under ... Years

10-16 12-15 13-16 11-15 12-15 11-14

Pupils in Thousands

1970	4300	509	258	2772	332	2470
1975	5222	537	281	3272	374	2832
1980	5309	516	299	3250	452	2778
1981	5150	•	290	3297	459	2713
1982	4910	•	277	3349	452	2671
1983	4585	•	264	3396	441	2611
1984	4222	•	261	3459	442	2528
1985	3910	•	263	3399	•	2393
1986	3670	•	262	3580	440	2145

Percentage of the Population of the Same Age

1980	91.2	114.4	117.9	97.0	96.8	103.1
1981	92.5	•	115.0	99.1	99.6	100.7
1982	94.3	•	114.6	101.0	96.9	102.1
1983	95.6	•	117.1	99.4	96.5	103.0
1984	96.1	•	120.9	100.1	99.5	104.0
1985	96.3	•	121.5	98.1	•	102.6
1986	95.2	•	118.0	109.3	105.0	96.9

Percentage of the Total Population

1980	8.6	5.2	5.8	6.1	4.7	5.0
1981	8.3	•	5.7	6.1	4.7	4.9
1982	8.0	•	5.4	6.2	4.6	4.8
1983	7.5	•	5.2	6.2	4.5	4.6
1984	6.9	•	5.1	6.3	4.4	4.5
1985	6.4	•	5.1	6.2	•	4.2
1986	6.0	•	5.1	6.5	4.4	3.8

Percentage of the Labour Force

1980	19.9	12.4	12.2	14.0	13.1	10.5
1981	18.4	•	10.8	14.1	12.5	10.4
1982	17.3	•	11.2	14.2	12.1	10.1
1983	16.1	•	9.7	14.3	11.6	9.8
1984	15.6	•	10.5	14.5	10.6	9.4
1985	14.3	•	9.6	14.2	•	8.7
1986	13.3	•	9.3	15.3	11.3	7.8

Pupils and Students according to Countries and Levels (cont.)

Ireland	Italy	Luxembourg ¹⁾	Netherlands	Portugal	Spain	Year
---------	-------	--------------------------	-------------	----------	-------	------

Secondary Level, Stage I

Attendance from ... up to under ... Years

12-15 11-14 12-15 12-15 12-15 11-14

Pupils in Thousands

152	2168	15	800	226	1741	1970
187	2779	16	991	317	1941	1975
200	2885	16	1022	293	1997	1980
202	2856	16	1027	268	1996	1981
205	2850	15	1033	316	2000	1982
208	2816	13	1023	337	2025	1983
211	2789	12	997	358	2251	1984
212	2765	13	957	•	2290	1985
212	•	14	872	351	2349	1986

Percentage of the Population of the Same Age

•	104.9	98.8	139.8	53.4	103.4	1980
100.0	105.2	101.9	141.2	52.4	103.0	1981
99.5	105.0	107.1	140.1	57.5	100.8	1982
100.5	117.8	87.8	138.3	65.4	102.1	1983
100.5	104.1	83.3	136.4	69.4	113.6	1984
100.5	104.0	94.2	137.4	•	115.9	1985
101.0	•	116.7	141.8	67.4	118.9	1986

Percentage of the Total Population

5.9	5.1	4.4	7.3	3.1	5.3	1980
5.9	5.0	4.4	7.2	2.8	5.3	1981
5.9	5.0	4.1	7.2	3.2	5.3	1982
5.9	5.0	3.6	7.1	3.4	5.3	1983
6.0	4.9	3.3	6.9	3.6	5.9	1984
6.0	4.9	3.6	6.6	•	6.0	1985
6.0	•	3.8	6.0	3.4	6.1	1986

Percentage of the Labour Force

16.3	12.7	9.9	19.2	6.7	15.0	1980
16.2	12.4	9.9	18.8	6.1	14.9	1981
17.3	12.4	9.3	18.6	8.2	14.7	1982
15.9	12.3	8.1	17.6	8.7	14.8	1983
15.6	11.9	7.8	17.6	9.2	16.5	1984
16.1	11.8	8.4	16.8	•	16.9	1985
16.4	•	8.9	15.1	7.9	17.0	1986

Pupils and Students according to Countries and Levels (cont.)

Year	Federal Republic of Germany	Belgium	Denmark	France	Greece	United King dom
------	-----------------------------------	---------	---------	--------	--------	-----------------------

Secondary Level, Stage II

Attendance from ... up to under ... Years

16-19 15-18 16-19 15-18 15-18 14-18

Pupils in Thousands

1970	2185	224	123	1498	222	1741
1975	2539	281	145	1709	305	2418
1980	3113	334	200	1876	288	2654
1981	3166	•	208	2012	319	2705
1982	3184	•	219	2040	301	2713
1983	3196	•	223	1953	350	2649
1984	3225	•	222	1978	363	2582
1985	3211	•	224	2026	•	2568
1986	3108	803 ²⁾	227	2082	373	•

Percentage of the Population of the Same Age

1980	97.6	69.5	85.7	72.6	66.2	72.1
1981	98.0	•	86.7	77.6	72.5	73.5
1982	99.2	•	88.2	79.4	65.9	72.9
1983	101.9	•	87.7	75.4	74.6	71.9
1984	105.7	•	87.9	77.3	77.2	71.8
1985	110.3	•	90.4	79.8	•	73.3
1986	114.4	100.5 ²⁾	104.1	80.4	82.0	•

Percentage of the Total Population

1980	5.1	3.4	3.9	3.5	3.0	4.7
1981	5.1	•	4.1	3.7	3.3	4.8
1982	5.2	•	4.3	3.8	3.1	4.9
1983	5.2	•	4.4	3.6	3.6	4.7
1984	5.3	•	4.3	3.6	3.6	4.6
1985	5.3	•	4.4	3.7	•	4.5
1986	5.1	8.1 ²⁾	4.4	3.8	3.7	•

Percentage of the Labour Force

1980	11.6	8.0	8.1	8.1	8.3	10.1
1981	11.3	•	7.8	8.6	8.7	10.4
1982	11.2	•	8.8	8.7	8.1	10.2
1983	11.2	•	8.2	8.2	9.2	9.9
1984	11.9	•	8.9	8.3	8.7	9.6
1985	11.8	•	8.1	8.5	•	9.3
1986	11.3	19.5 ²⁾	8.0	8.9	9.6	•

Pupils and Students according to Countries and Levels (cont.)

Ireland	Italy	Luxem- bourg	Nether- lands	Portugal	Spain	Year
---------	-------	-----------------	------------------	----------	-------	------

Secondary Level, Stage II

Attendance from ... up to under ... Years

15-17 14-19 15-19 15-18 15-18 14-18

Pupils in Thousands

1970	56	1665	6	206	51	457	1970
1975	84	2113	8	305	106	1249	1975
1980	101	2452	10	394	178	1980	1980
1981	107	2457	10	414	206	2096	1981
1982	112	2502	11	440	227	2173	1982
1983	116	2542	11	471	263	2276	1983
1984	122	2584	11	494	239	2152	1984
1985	126	2642	11	513	•	2220	1985
1986	126	•	13	521	201	2311	1986

Percentage of the Population of the Same Age

1980	•	53.3	44.4	52.2	32.1	77.8	1980
1981	78.8	53.0	44.8	54.5	39.4	81.9	1981
1982	85.5	53.6	50.0	58.6	43.7	82.6	1982
1983	89.2	63.8	50.2	63.9	50.7	86.4	1983
1984	93.1	54.8	51.4	67.7	46.1	81.6	1984
1985	96.9	56.7	53.1	69.5	•	84.0	1985
1986	95.5	•	65.0	70.6	39.0	87.6	1986

Percentage of the Total Population

1980	3.0	4.3	2.7	2.8	1.9	5.3	1980
1981	3.1	4.3	2.7	2.9	2.2	5.6	1981
1982	3.2	4.4	3.0	3.1	2.3	5.7	1982
1983	3.3	4.5	3.0	3.3	2.6	6.0	1983
1984	3.5	4.5	3.0	3.4	2.4	5.6	1984
1985	3.6	4.6	3.0	3.5	•	5.8	1985
1986	3.6	•	3.5	3.6	2.0	6.0	1986

Percentage of the Labour Force

1980	8.3	10.8	6.2	7.4	4.1	14.8	1980
1981	8.6	10.7	6.2	7.6	4.7	15.7	1981
1982	9.5	10.9	6.8	7.9	5.9	16.0	1982
1983	8.9	11.1	6.8	8.1	6.8	16.6	1983
1984	9.0	11.0	7.1	8.7	6.2	15.7	1984
1985	9.6	11.3	7.1	9.0	•	15.8	1985
1986	9.7	•	8.3	9.0	4.5	16.8	1986



International Comparison

Pupils and Students according to Countries and Levels (cont.)

Year	Federal Republic of Germany	Belgium	Denmark	France	Greece	United King- dom
------	-----------------------------------	---------	---------	--------	--------	------------------------

Higher Education Level

Attendance from ... up to under ... Years

19-26 18-25 19-26 18-15 18-25 18-25

Students in Thousands

1970	700	125	94	766	86	601
1975	1043	158	16	942	117	733
1980	1223	197	106	1024	121	827
1981	1325	202	107	1151	125	858
1982	1405	207	111	1174	137	981
1983	1472	212	113	1118	149	1000
1984	1519	218	115	1249	168	1007
1985	1550	247	116	1279	●	1032
1986	1579	252	119	1290	198	1068

Percentage of the Population of the Same Age

1980	18.4	17.8	20.3	17.3	12.2	13.7
1981	19.3	18.2	20.5	19.5	12.6	14.3
1982	20.0	18.7	21.2	19.8	13.9	15.6
1983	20.5	18.9	21.4	18.6	14.8	15.6
1984	20.8	19.7	21.4	20.7	16.4	15.5
1985	20.9	22.6	21.3	21.2	●	15.7
1986	21.1	23.7	20.7	21.6	19.0	16.2

Percentage of the Total Population

1980	2.0	2.0	2.1	1.9	1.3	1.5
1981	2.1	2.0	2.1	2.8	1.3	1.5
1982	2.3	2.1	2.2	2.2	1.4	1.7
1983	2.4	2.2	2.2	2.1	1.5	1.8
1984	2.5	2.2	2.2	2.3	1.7	1.8
1985	2.5	2.5	2.3	2.3	●	1.8
1986	2.6	2.6	2.3	2.3	2.0	1.9

Percentage of the Labour Force

1980	4.6	4.7	4.3	4.4	3.5	3.1
1981	4.7	4.9	4.0	6.5	3.4	3.3
1982	5.0	4.8	4.5	5.0	3.7	3.7
1983	5.2	4.9	4.1	4.7	3.9	3.7
1984	5.6	5.3	4.6	5.2	4.0	3.8
1985	5.7	5.9	4.2	5.4	●	3.8
1986	5.7	6.1	4.2	5.5	5.1	3.9

International Comparison



Pupils and Students according to Countries and Levels (cont.)

Ireland	Italy	Luxem- bourg	Nether- lands	Portugal	Spain	Year
---------	-------	-----------------	------------------	----------	-------	------

Higher Education Level

Attendance from ... up to under ... Years

17-24 19-26 19-22 18-25 18-26 18-25

Students in Thousands

26	687	1	175	68	352	1970
33	944	1	234	85	539	1975
42	1055	1	285	91	681	1980
45	1032	1	288	95	704	1981
48	1030	1	297	99	731	1982
50	1063	1	301	106	780	1983
52	1115	1	307	118	857	1984
55	1118	●	308	●	935	1985
70	1141	1	400	97	985	1986

Percentage of the Population of the Same Age

●	18.3	5.8	16.9	6.9	15.9	1980
10.8	17.7	5.8	16.8	7.6	16.2	1981
11.4	17.6	5.9	17.1	6.7	16.9	1982
11.8	18.9	5.7	17.2	8.2	17.7	1983
12.2	17.8	5.7	17.4	8.9	19.2	1984
12.9	17.4	●	17.5	●	20.6	1985
16.4	17.5	5.6	22.7	7.1	21.6	1986

Percentage of the Total Population

1.2	1.9	0.3	2.0	1.0	1.8	1980
1.3	1.8	0.3	2.0	1.0	1.9	1981
1.4	1.8	0.3	2.1	1.0	1.9	1982
1.4	1.9	0.3	2.1	1.1	2.0	1983
1.5	2.0	0.3	2.1	1.2	2.2	1984
1.6	2.0	●	2.1	●	2.5	1985
2.0	2.0	0.3	2.7	1.0	2.6	1986

Percentage of the Labour Force

3.4	4.6	0.6	5.4	2.1	5.1	1980
3.6	4.5	0.6	5.3	2.2	5.3	1981
4.1	4.5	0.6	5.3	2.6	5.4	1982
3.8	4.6	0.6	5.2	2.7	5.7	1983
3.8	4.8	0.6	5.4	3.0	6.3	1984
4.2	4.8	0.6	5.4	●	6.7	1985
5.4	4.9	0.6	6.9	2.2	7.1	1986

Male Population according to Age 1989 (Thousands)

137,0	30	1959
139,1	29	1960
144,3	28	1961
145,3	27	1962
147,6	26	1963
143,3	25	1964
138,1	24	1965
131,7	23	1966
123,9	22	1967
120,9	21	1968
118,6	20	1969
116,2	19	1970
114,4	18	1971
97,8	17	1972
87,5	16	1973
86,6	15	1974
88,5	14	1975
94,2	13	1976
108,5	12	1977
112,5	11	1978
114,8	10	1979
118,8	9	1980
115,3	8	1981
117,1	7	1982
114,1	6	1983
112,5	5	1984
113,3	4	1985
110,3	3	1986
112,8	2	1987
108,2	1	1988
100,6	0	1989

Male Population (German and Foreign) in 1989 (Thousands)

A	g	e
Year	of	Birth

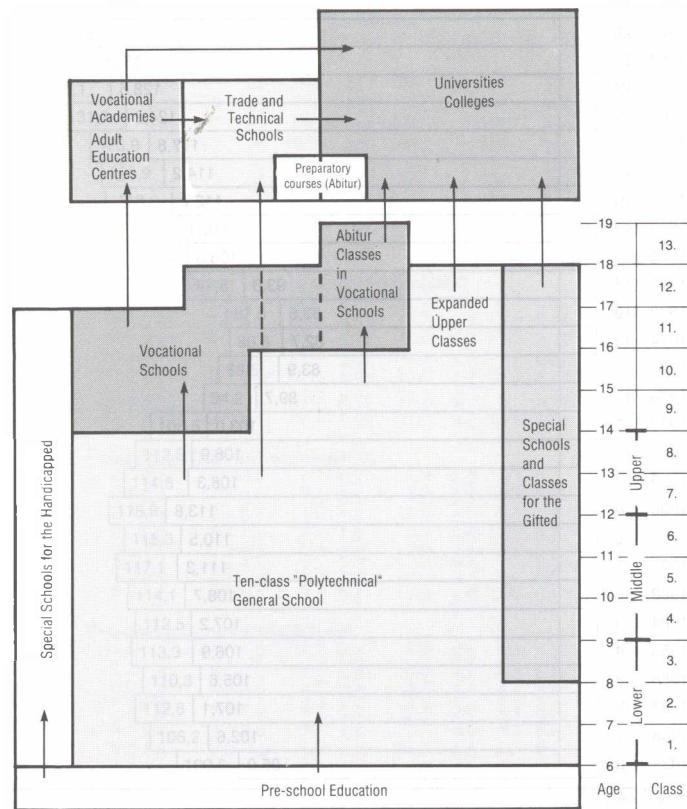
Female Population according to Age 1989 (Thousands)

129,1	30	1959
130,9	29	1960
135,7	28	1961
135,3	27	1962
136,8	26	1963
133,5	25	1964
128,5	24	1965
124,2	23	1966
117,8	22	1967
114,2	21	1968
112,2	20	1969
110,4	19	1970
108,5	18	1971
93,0	17	1972
83,5	16	1973
82,7	15	1974
83,9	14	1975
89,7	13	1976
103,0	12	1977
106,9	11	1978
108,3	10	1979
113,8	9	1980
110,5	8	1981
111,3	7	1982
108,7	6	1983
107,2	5	1984
106,9	4	1985
105,6	3	1986
107,1	2	1987
102,6	1	1988
95,0	0	1989

Female Population according to Age 1989 (Thousands)

Year	of	Birth
A	g	e

The Education System 1989



Location of Higher Education Institutions 1989



Selected Aspects of Demographic Development

Year District	Live Births	Excess of Births over Deaths	Marriages	Live Births	Excess of Births over Deaths	Marriages
	Thousand			Per Thousand Inhabitants		
1960	293.0	59.2	167.6	17.0	3.4	9.7
1965	281.1	50.8	129.0	16.5	3.0	7.6
1970	236.9	- 3.9	130.7	13.9	-0.2	7.7
1975	181.8	-58.6	142.1	10.8	-3.5	8.4
1976	195.5	-38.3	144.6	11.6	-2.3	8.6
1977	223.2	- 3.1	147.4	13.3	-0.2	8.8
1978	232.2	- 0.2	141.1	13.9	0.0	8.4
1979	235.2	2.5	136.9	14.0	0.1	8.2
1980	245.1	6.9	134.2	14.6	0.4	8.0
1981	237.5	5.3	128.2	14.2	0.3	7.7
1982	240.1	12.1	124.9	14.4	0.7	7.5
1983	233.8	11.1	125.4	14.0	0.7	7.5
1984	228.1	7.0	133.9	13.7	0.4	8.0
1985	227.6	2.3	131.5	13.7	0.1	7.9
1986	222.3	- 1.3	137.2	13.4	-0.1	8.3
1987	226.0	12.1	141.3	13.6	0.7	8.5
1988	215.7	2.6	137.2	12.9	0.2	8.2
1989	198.9	- 6.8	131.0	12.0	-0.4	7.9
Districts 1989						
Berlin (East)	16.9	3.5	11.7	13.2	2.8	9.1
Cottbus	10.9	0.4	6.7	12.4	0.5	7.5
Dresden	20.0	- 3.2	13.6	11.5	-1.7	7.8
Erfurt	14.9	- 0.1	9.7	12.1	0.0	7.8
Frankfurt	8.9	1.1	5.9	12.5	1.5	8.2
Gera	8.4	- 0.5	5.5	11.3	-0.5	7.5
Halle	20.2	- 2.4	13.6	11.4	-1.3	7.7
Chemnitz	19.7	- 6.9	12.7	10.7	-3.6	6.9
Leipzig	15.2	- 3.0	10.7	11.3	-2.1	7.9
Magdeburg	15.1	- 0.7	9.9	12.1	-0.4	7.9
Neubrandenburg	8.3	1.2	4.9	13.5	1.9	8.0
Potsdam	13.9	0.6	9.0	12.4	0.5	8.1
Rostock	12.0	2.6	8.3	13.1	2.9	9.1
Schwerin	7.9	1.3	4.8	13.4	2.2	8.0
Suhl	6.3	- 0.8	4.0	11.4	-1.4	7.4

Selected Age Groups of the Population according to Sex
(Thousands)

Year District	3to under 6		6to under 10		10to under 16		16to under 19		19to under 26	
	Male	Fe- male	Male-	Fe- male	Male	Fe- male	Male	Fe- male	Male	Fe- male
	Total									
1960	402.7	382.4	548.6	520.9	591.5	572.1	361.3	351.3	996.8	971.2
1965	439.4	420.0	534.8	509.1	801.2	761.1	300.6	287.6	769.3	760.1
1970	401.9	381.3	590.8	563.1	817.2	777.1	405.3	385.8	706.2	678.0
1975	335.8	319.5	501.2	477.8	873.2	831.7	404.1	383.4	940.9	890.6
1976	309.0	293.1	484.3	462.1	863.0	821.7	415.9	395.8	943.2	892.2
1977	281.1	267.0	475.7	453.2	840.2	800.4	432.1	412.0	941.2	890.5
1978	272.0	258.0	453.7	432.1	815.1	776.1	437.7	418.0	948.6	896.8
1979	279.8	265.7	425.0	404.3	784.6	747.0	443.2	423.0	955.1	904.6
1980	302.5	286.7	397.6	377.7	756.0	720.2	440.0	420.1	970.3	917.0
1981	326.1	310.4	371.2	353.6	737.9	702.0	433.3	412.2	972.5	924.1
1982	346.8	329.5	367.6	350.5	703.8	669.5	418.5	398.2	989.2	939.3
1983	357.4	341.0	389.4	370.8	667.6	635.0	400.0	379.7	1003.4	953.8
1984	358.2	342.9	415.6	395.5	632.7	602.6	381.3	362.8	1006.3	958.8
1985	360.1	344.6	441.3	419.8	602.9	574.6	366.6	347.9	999.2	952.0
1986	356.2	339.5	466.3	444.0	581.0	553.3	357.9	340.2	987.9	935.9
1987	353.1	335.7	472.4	450.7	575.0	547.5	352.9	336.6	968.6	916.6
1988	347.3	329.8	475.9	453.7	588.7	560.2	333.7	317.2	950.1	893.7
1989	336.1	319.8	465.3	444.3	605.3	574.3	299.7	285.0	892.6	840.7
	Districts 1989									
Berlin (East)	27.6	26.4	36.8	34.8	44.1	42.3	20.1	19.7	71.1	75.0
Cottbus	18.9	18.1	26.5	25.4	34.2	32.5	16.7	15.9	49.5	45.7
Dresden	34.6	32.1	47.9	45.7	64.2	60.4	31.0	29.7	90.2	82.8
Erfurt	25.2	23.9	35.4	34.0	45.6	43.3	23.8	22.5	67.6	64.1
Frankfurt	15.4	14.9	21.6	20.7	28.6	26.9	13.2	12.4	39.2	35.4
Gera	14.7	13.9	20.6	19.5	27.1	25.4	13.3	12.8	38.9	36.8
Halle	33.5	32.1	47.1	44.8	61.6	58.5	32.8	31.0	95.4	88.0
Chemnitz	32.8	31.2	46.2	44.4	62.6	59.2	31.9	30.2	89.3	87.3
Leipzig	25.1	24.1	34.3	33.0	45.1	43.1	23.1	21.9	72.2	67.5
Magdeburg	25.3	24.1	34.3	32.8	44.0	42.0	23.1	21.9	68.6	64.6
Neubrandenburg	14.4	13.8	19.8	18.8	26.1	24.7	11.8	11.2	34.4	31.3
Potsdam	23.8	22.6	32.6	30.8	40.8	38.4	19.7	18.7	61.0	56.5
Rostock	20.2	19.4	28.3	27.1	37.7	35.7	17.3	16.4	52.6	47.9
Schwerin	13.4	12.8	18.3	17.5	23.8	22.8	11.2	10.7	33.3	30.6
Suhl	11.3	10.6	15.6	14.8	19.8	19.0	10.6	10.0	29.3	27.2

Pre-school Education: Institutions, Teachers and Attendance Figures

Year District	Institutions	Teachers	Attendance Figures		
			Total	per Educator	per 1000 Children of Kindergarten Age
	Total				
1960	11,508	29,191	458,678	15.7	461
1965	12,921	36,636	555,472	15.2	528
1970	13,105	45,096	65,4658	14.5	645
1975	12,218	52,986	701,809	13.2	846
1976	12,088	53,627	67,8150	12.6	876
1977	12,033	54,001	64,3173	11.9	893
1978	12,014	54,140	61,0329	11.3	902
1979	12,179	55,363	625,359	11.3	923
1980	12,233	56,605	664,478	11.7	922
1981	12,340	59,284	70,9117	12.0	921
1982	12,608	61,893	75,1188	12.1	917
1983	12,821	65,298	78,5159	12.0	911
1984	13,025	67,429	78,8730	11.7	905
1985	13,148	69,612	788,232	11.3	940
1986	13,265	70,870	77,9712	11.0	934
1987	13,334	71,403	77,0336	10.8	936
1988	13,402	72,740	76,4423	10.5	940
1989	13,452	73,383	74,7140	10.2	951
	Districts 1989				
Berlin (East)	697	5,808	61,960	10.7	959
Cottbus	816	4,493	41,719	9.3	941
Dresden	1,275	7,143	77,538	10.9	970
Erfurt	1,110	5,856	5,6873	9.7	965
Frankfurt	645	3,478	34,556	9.9	950
Gera	645	3,142	32,406	10.3	945
Halle	1,413	7,618	75,035	9.9	951
Chemnitz	1,135	6,495	7,1161	11.0	928
Leipzig	1,002	5,378	56,370	10.5	959
Magdeburg	1,022	5,125	55,906	10.9	947
Neubrandenburg	776	3,314	31,327	9.5	933
Potsdam	1,102	5,223	52,826	10.1	952
Rostock	705	4,570	44,431	9.7	937
Schwerin	601	2,985	2,9970	10.0	956
Suhl	508	2,755	25,062	9.1	959

Schools, Classes, Pupils, Teachers and School-leavers at Ten-Class "Polytechnical" General Schools (including Expanded Upper Classes) and Special Schools

Year District	Schools	Classes	Pupils		Full time Teachers	School- leavers ¹⁾
			Total	per Full-time Teachers		
	Total					
1960	9,729	75,992	2,059,043	23.8	86,350	72,893
1965	8,883	89,854	2,425,582	20.0	121,580	115,524
1970	6,878	99,509	2,667,316	19.3	137,963	171,419
1975	5,921	106,638	2,697,740	17.0	158,543	205,784
1976	5,877	107,330	2,649,158	16.4	161,477	224,289
1977	5,890	107,402	2,594,418	15.7	165,755	234,479
1978	5,882	107,581	2,531,410	15.1	167,424	238,506
1979	5,878	106,884	2,423,563	14.4	168,679	242,264
1980	5,906	105,873	2,312,324	13.7	168,849	244,563
1981	5,904	10,4715	2,212,715	13.0	170,115	235,115
1982	5,865	103,423	2,1285,80	12.4	171,381	230,298
1983	5,880	103,029	2,076,909	12.1	171,914	218,518
1984	5,862	102,915	2,052,693	11.8	173,283	209,051
1985	5,864	102,760	2,042,863	11.8	173,689	202,632
1986	5,895	102,419	2,041,013	12.0	170,277	199,167
1987	5,898	101,735	2,047,275	12.2	167,230	200,738
1988	5,907	101,254	2,054,817	12.3	167,207	195,783
1989	5,928	102,263	2,089,554	12.5	167,794	154,744
	Districts 1989					
Berlin (East)	398	7,704	158,853	12.5	12,693	10,669
Cottbus	320	5,668	11,7790	12.6	9,346	8,672
Dresden	619	10,649	219,703	13.0	16,865	16,278
Erfurt	445	8,051	158,457	11.7	13,508	12,379
Frankfurt	247	4,543	96,329	13.0	7,394	6,753
Gera	258	4,455	92,524	12.5	7,382	7,103
Halle	644	10,838	212,859	12.1	17,611	16,606
Chemnitz	655	10,243	215,130	13.2	16,316	16,755
Leipzig	433	7,647	156,004	12.6	12,386	11,656
Magdeburg	481	7,727	152,895	12.1	12,640	11,277
Neubrandenburg	260	4,298	88,133	12.1	7,294	6,057
Potsdam	409	7,161	142,881	11.9	11,998	10,192
Rostock	329	5,880	127,613	13.3	9,617	8,851
Schwerin	224	3,976	81,847	12.4	6,585	5,875
Suhl	206	3,423	68,536	11.1	6,159	5,621

¹⁾ Only School-leavers of Ten-Class "Polytechnical" General Schools

School leavers entering Vocational Training in 1989 in the 25 most popular Trained Occupations according to Order and Sex

Trained occupation	Order	Apprentices		Trained occupation	Order	Apprentices	
		Number	Per Cent			Number	Per Cent
Male				Female			
Maintenance				Salesgirl	1	5,573	10.0
Mechanic	1	5,242	6.6	Skilled Typist	2	4,559	8.2
Electrical Assembler	2	4,262	5.3	Office Clerk	3	4,296	7.7
Machine and				Cook	4	2,439	4.4
Systems Assembler	3	3,356	4.2	Skilled Textile			
SW at Machine Tools	4	3,156	4.0	Machine Operator	5	2,254	4.0
Motor Mechanic	5	3,142	3.9	Skilled Garment Maker	6	1,906	3.4
Filter (Tractors and				SW in Animal			
Agricult. Machinery)	6	2,558	3.2	Production	7	1,810	3.2
Skilled Plant				Waitress	8	1,721	3.1
Production Worker	7	2,457	3.1	Gardener	9	1,451	2.6
SK Construction				Hairdresser	10	1,297	2.3
Worker	8	2,312	2.9	SW in Data Processing	11	1,275	2.3
Skilled Electronics				Skilled Train			
Worker	9	2,153	2.7	Service Worker	12	954	1.7
Toolmaker	10	1,982	2.5	Skilled Bakery Worker	13	951	1.7
Joiner				Bank Clerk	14	935	1.7
Mason (Interior				SW in the Postal			
Finishing)	12	1,869	2.3	Service	15	903	1.6
Cook	13	1,866	2.3	Machine			
Bricklayer	14	1,839	2.3	Draughtswoman	16	853	1.5
Rail Vehicle Mechanic	15	1,533	1.9	SW in Chemical			
Skilled Worker				Production	17	838	1.5
for MCO ¹⁾	16	1,531	1.9	Construction			
Carpenter	17	1,243	1.6	Draftswoman	18	622	1.1
Plumber	18	1,152	1.4	SW at Machine Tools	19	559	1.0
Painter	19	978	1.2	Travel & Tourism Clerk	20	532	1.0
Works Fitter	20	971	1.2	Ladies' Tailoress	21	530	1.0
Engine Drive	21	918	1.2	Skilled Electronics			
Machine Mechanic	22	857	1.1	Worker	22	523	0.9
SW in Animal				SW in Dry-cleaning	23	463	0.8
Production	23	844	1.1	SW in Chipmaking	24	422	0.8
Central Heating Fitter	24	749	0.9	Laboratory Assistant	25	408	0.7
SW in Crop Cultivation	25	683	0.9				
Total		49,633	62.2	Total		38,074	68.1
Total		79,745	100.0	Total		55,895	100.0
SK = skilled worker				SW = skilled worker			

SK = skilled worker

SW = skilled worker

¹⁾ MCO = measuring and control operations

Shool-Leavers entering Vocational Training and Qualified Skilled Workers according to Selected Occupational Sectors and Sex

Year Occupational Sector	Apprentices			Qualified Skilled Workers		
	Total	Male	Female	Total	Male	Female
Total						
1965	183,603	99,843	83,760	197,756	112,438	85,318
1970	193,894	104,739	89,155	260,495	132,466	128,029
1975	206,837	116,252	90,585	257,261	128,957	128,304
1980	231,450	128,865	102,585	264,793	139,640	125,153
1985	186,777	105,540	81,237	229,579	123,736	105,843
1986	183,737	103,561	80,176	218,328	117,657	100,671
1987	181,651	102,215	79,436	213,071	114,386	98,685
1988	174,766	98,814	75,952	203,930	107,304	96,626
1989	135,640	79,745	55,895	208,050	110,708	97,342
Occupational Sectors 1989						
Chemicals	2,281	439	1,842	3,761	981	2,780
Energy	1,697	1,216	481	2,752	1,896	856
Metallurgy/Tiaterials	1,027	823	204	1,549	1,166	383
Machine Building, Apparatus and Plant Construction	24,827	23,122	1,705	31,593	28,871	2,722
Production and Process Engineering	8,250	6,973	1,277	11,256	9,273	1,983
Electrical Engineering, Electronics	11,051	9,182	1,869	14,890	12,224	2,666
Automation Engineering	3,794	2,200	1,594	4,993	2,569	2,424
Washworking	3,265	2,952	313	4,535	4,010	525
Textiles/Clothing	6,045	656	5,389	8,293	972	7,321
Leather working	1,073	189	884	1,390	207	1,183
Food Processing	4,827	2,395	2,432	5,687	2,738	2,949
Trade Catering/Services	17,908	3,231	14,677	30,855	5,854	25,001
Agriculture, Forestry, Fishing	12,603	7,266	5,337	18,960	10,195	8,765
Bilding Trade	14,321	13,129	1,192	18,676	17,037	1,639
Traffic and Transport	4,368	2,440	1,928	10,468	7,130	3,338
Postal, Telegraph and Telecommunications Service	2,487	1,019	1,468	3,378	1,308	2,070
Administration	10,917	442	10,475	25,841	1,063	24,778
Other Occupational Sector	4,899	2,071	2,828	9,173	3,214	5,959
Total	135,640	79,745	55,895	208,050	110,708	97,342

Vocational Schools: Schools, Pupils and Teachers

Year District	Schools	Pupils		Teachers
		Total	per Teacher	
1960	Total	337,900	25.3	13,348
1965	1,146	418,865	28.7	14,587
1970	1,108	430,934	29.2	14,744
1975	969	412,785	28.3	14,379
1976	977	433,600	29.4	14,725
1977	973	452,817	29.5	15,335
1978	979	463,108	29.0	15,967
1979	981	462,236	28.3	16,288
1980	977	459,485	28.1	16,355
1981	973	448,386	27.1	16,553
1982	973	431,047	25.9	16,640
1983	969	411,166	24.5	16,777
1984	965	391,626	23.1	16,932
1985	963	377,567	22.4	16,874
1986	959	369,070	22.7	16,244
1987	957	366,279	22.6	16,222
1988	955	359,308	22.1	16,256
1989	951	314,234	19.6	16,034
Districts 1989				
Berlin (East)	42	22,331	20.6	1,110
Cottbus	60	17,160	19.0	901
Dresden	100	32,852	20.9	1,569
Erfurt	80	25,754	19.7	1,308
Frankfurt	48	12,059	17.9	673
Gera	42	15,389	19.3	798
Halle	104	34,795	20.2	1,719
Chemnitz	96	32,904	20.6	1,599
Leipzig	78	24,501	21.4	1,144
Magdeburg	77	24,014	19.4	1,241
Neubrandenburg	40	11,711	19.2	609
Potsdam	65	19,037	16.2	1,178
Rostock	49	18,597	19.4	958
Schwerin	37	12,617	19.7	641
Suhl	33	10,516	17.9	586

Trade and Technical Schools: Students, New Entrants and School-leavers

Year District	Students		New Entrants		School-leavers	
	Total	of which attending Direct Study Courses	Total	of which attending Direct Study Courses	Total	of which attending Direct Study Courses
	Total	Female	Total	Female	Total	Female
	Number	Per Cent	Number	Per Cent	Number	Per Cent
1960	Total					
1965	126,018	47,261 32.8	57,833	19,477 33.5	24,544	16,428 66.5
1970	113,624	50,784 39.2	43,257	21,509 46.4	33,633	15,395 38.6
1975	167,158	62,801 60.2	56,529	22,991 62.9	36,265	18,337 51.1
1976	156,384	84,177 77.7	52,263	34,484 80.3	43,030	20,442 63.1
1977	159,955	97,401 80.7	50,148	34,025 79.7	38,982	17,409 66.5
1978	162,460	99,275 80.9	51,343	33,911 80.4	42,234	28,302 80.8
1979	164,632	99,891 81.6	51,289	34,265 81.4	41,179	29,888 80.7
1980	169,608	100,891 82.6	52,972	35,177 82.7	39,663	30,039 81.2
1981	171,825	102,553 83.6	52,129	35,547 83.6	42,038	29,721 81.9
1982	173,411	104,351 84.0	52,655	35,626 83.4	43,355	30,003 82.7
1983	172,058	104,843 84.2	52,444	35,471 83.8	45,426	30,811 84.1
1984	167,864	103,184 83.8	49,589	34,284 82.3	44,867	31,374 83.7
1985	163,573	101,598 83.2	49,921	33,810 81.4	44,890	31,168 83.3
1986	162,221	99,516 82.3	49,699	32,999 80.3	43,201	30,881 84.3
1987	160,379	97,192 81.6	49,346	32,286 80.0	43,189	30,515 82.7
1988	158,777	94,960 80.8	48,386	31,605 78.9	42,118	29,788 82.3
1989	157,513	91,934 80.6	48,169	30,163 79.3	40,685	29,224 81.2
	152,700	86,772 80.5	45,172	27,715 79.7	40,523	28,303 80.9
Districts 1989						
Berlin (East)	14,593	8,599 87.2	3,999	2,519 90.7	3,952	2,907 81.5
Cottbus	7,136	4,386 75.4	2,229	1,439 73.7	1,948	1,413 74.6
Dresden	23,882	11,158 75.0	6,746	3,535 73.2	5,758	3,539 75.7
Erfurt	18,167	8,804 75.2	5,215	2,891 74.8	4,629	2,922 76.9
Frankfurt	2,337	1,885 90.7	791	605 87.9	731	626 94.1
Gera	5,693	3,914 77.0	1,865	1,339 76.0	1,523	1,193 78.2
Halle	12,894	8,070 86.1	3,948	2,545 85.4	3,429	2,523 88.2
Chemnitz	15,160	7,564 88.1	3,875	2,374 87.7	4,033	2,607 89.6
Leipzig	17,656	8,549 76.0	5,074	2,679 75.0	4,384	2,796 76.9
Magdeburg	9,748	6,877 80.2	2,992	2,181 79.9	2,810	2,266 81.5
Neubrandenburg	3,815	2,963 83.4	1,303	993 81.8	1,165	968 84.5
Potsdam	9,415	5,106 72.0	3,120	1,705 70.3	2,621	1,731 74.9
Rostock	4,758	4,069 90.1	1,454	1,271 89.8	1,453	1,288 86.5
Schwerin	4,618	2,931 79.3	1,670	1,036 77.4	1,277	917 81.6
Suhl	2,828	1,897 81.3	891	603 79.4	810	607 80.7

Higher Education Studies: Students, New Entrants and Graduates

Year	Students		New Entrants		Graduates	
	Total	of which attending Direct Study courses	Total	of which attending Direct Study courses	Total	of which attending Direct Study courses
		Total Female		Total Female		Total Female
	Number	Per Cent	Number	Per Cent	Number	Per Cent
	Total					
1960	99,860	72,998 31.4	30,081	20,699 •	15,005	11,876 •
1965	111,591	74,553 31.0	24,735	16,360 33.9	20,878	13,739 36.1
1970	143,163	99,921 43.2	43,975	30,786 44.7	22,312	14,571 35.7
1975	136,854	103,081 56.0	34,390	27,783 49.0	36,521	25,170 50.2
1976	130,201	101,555 53.7	32,131	26,043 48.3	32,629	22,815 58.0
1977	129,615	104,037 52.2	32,194	26,050 53.3	27,115	19,026 62.2
1978	127,473	103,579 51.8	32,391	26,328 53.5	28,927	22,139 55.6
1979	129,055	104,327 52.5	32,309	26,559 54.0	24,562	20,757 50.8
1980	129,970	105,896 52.8	31,949	26,761 53.1	24,200	19,542 51.8
1981	130,633	107,022 52.5	31,318	25,813 52.4	23,520	18,954 53.5
1982	130,442	107,828 52.8	32,100	26,623 54.5	24,983	19,815 53.8
1983	130,097	108,120 53.0	31,583	26,786 54.1	25,143	20,551 52.9
1984	129,628	108,073 52.5	31,631	26,435 51.8	25,638	20,889 53.9
1985	129,885	108,897 52.2	31,583	26,474 51.5	25,046	20,301 53.3
1986	131,560	111,082 52.3	31,199	25,886 52.1	22,573	18,537 52.0
1987	132,602	111,768 51.9	30,864	25,351 51.2	22,762	18,669 52.6
1988	132,423	111,178 51.0	32,040	26,036 48.6	25,249	20,848 53.6
1989	131,188	109,387 50.0	31,531	26,094 47.3	24,167	20,501 52.1
	Districts 1989					
Berlin (East)	24,251	17,092 54.4	5,685	4,083 51.2	3,941	3,039 56.3
Cottbus	1,484	1,484 36.1	414	414 37.2	355	355 34.9
Dresden	22,104	18,659 40.7	5,445	4,395 34.8	4,356	3,798 46.1
Erfurt	5,612	5,379 61.4	1,298	1,249 58.2	1,058	1,022 57.8
Frankfurt	—	— —	—	— —	—	— —
Gera	5,146	4,567 52.3	1,135	1,070 48.9	758	729 53.6
Halle	1,3350	12,081 63.2	3,264	2,813 61.9	2,712	2,391 63.7
Chemnitz	12,769	11,708 39.0	3,361	3,009 37.9	2,334	2,148 42.7
Leipzig	18,707	15,981 57.6	4,363	3,703 56.4	3,596	3,008 59.9
Magdeburg	6,707	5,903 39.7	1,647	1,372 34.7	1,156	974 44.0
Neubrandenburg	193	193 92.2	111	111 96.4	—	— —
Potsdam	4,303	2,620 66.2	925	605 67.8	832	512 63.7
Rostock	11,347	10,493 47.5	2,725	2,505 45.6	2,042	1,925 46.7
Schwerin	959	959 69.9	215	215 65.1	218	218 73.4
Suhl	2,430	2,268 13.8	605	550 12.7	419	382 12.3

Higher Education Studies according to Disciplines: Students, New Entrants and Graduates

Year	Students		New Entrants		Graduates	
	Total	of which attending Direct Study courses	Total	of which attending Direct Study courses	Total	of which attending Direct Study Courses
		Total Female		Total Female		Total Female
	Number	Per Cent	Number	Per Cent	Number	Per Cent
	Mathematics, Natural Sciences					
1970	12,736	11,389	4,252	3,812	1,215	1,138
1980	7,334	6,901	1,757	1,672	1,302	1,381
1989	7,850	7,582	1,997	1,944	1,201	1,158
	Engineering Sciences					
1970	45,967	32,690	15,640	11,377	5,181	3,925
1980	38,552	33,075	9,413	8,375	6,339	5,760
1989	42,340	37,200	10,990	9,790	7,220	6,602
	Medicine					
1970	9,560	9,238	1,726	1,617	1,839	1,813
1980	13,335	12,419	2,672	2,434	1,994	1,935
1989	12,574	12,236	2,187	2,132	2,151	2,064
	Agriculture					
1970	6,946	4,991	1,771	1,277	1,119	809
1980	7,748	6,582	1,815	1,628	1,032	788
1989	6,887	5,823	1,234	1,058	1,246	1,139
	Economics					
1970	20,583	9,897	6,843	3,647	3,129	1,351
1980	18,432	11,814	4,692	3,192	3,725	2,623
1989	16,962	10,968	4,451	2,949	3,668	2,706
	Philosophy, History, Political, Science and Law					
1970	7,976	3,692	2,247	1,224	925	503
1980	9,904	4,570	2,281	1,094	1,874	866
1989	7,840	4,175	1,535	956	1,524	809
	Science of Culture, Arts, Sport					
1970	6,193	4,060	1,655	1,163	955	745
1980	8,534	6,800	2,074	1,728	1,534	1,074
1989	7,514	6,140	1,761	1,423	1,494	1,141
	(Teacher Training) all Disciplines					
1970	33,202	23,964	9,841	6,669	7,949	4,287
1980	26,131	23,735	7,245	6,635	5,720	5,115
1989	29,221	25,263	7,376	5,842	5,663	4,882
	Total					
1970	143,163	99,921	43,975	30,786	22,312	14,571
1980	129,970	105,896	31,949	26,758	23,520	19,542
1989	131,188	109,387	31,531	26,094	24,167	20,501