

BASIC AND STRUCTURAL DATA

Education Statistics for the
Federal Republic of Germany

1989/90



Federal Ministry of
Education and Science

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General Statistics

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Kindergartens

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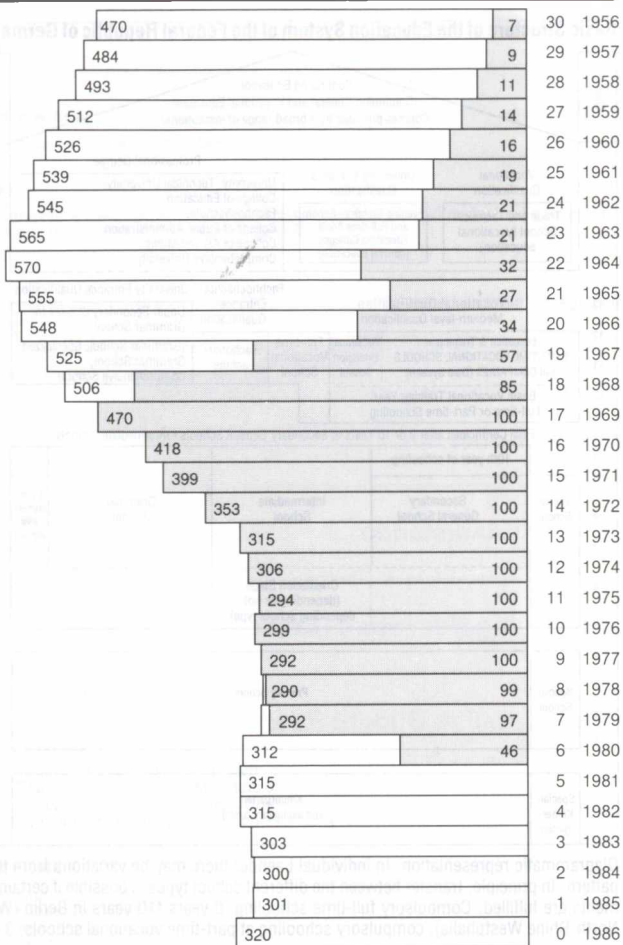
International Comparison

9

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

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)



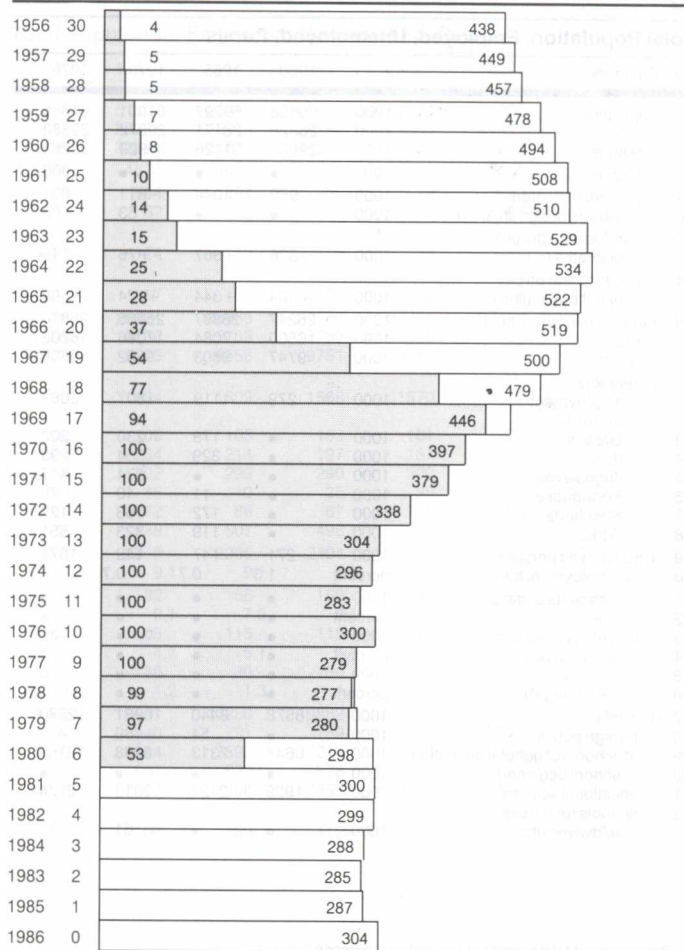
Male population (German and foreign)
1986 (thousands)

Participation
in education* as %

A g e
Year
of
birth

*) Excluding kindergartens, school kindergartens and continuing education

Population and Participation in Education (Female)



Year
of
birth

A g e

Participation
in education* as %

Female population (German and foreign)
1986 (thousands)

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



General Statistics

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	•	•	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 of which	1000	279	1119	1807	2061
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

General Statistics

Total Population, Employed, Unemployed, Pupils

1980	1983	1984	1985	1986	1987	1988	No
61658	61307	61049	61020	61140	61238	61593	1
29481	29306	29179	29190	29285	29419	29625	2
32177	32001	31870	31830	31855	31819	31968	3
4566	4574	4405	4482	4662	4241	4489	4
621	594	584	586	626	642	677	5
81	62	55	54	59	67	74	6
-93	-124	-112	-118	-76	-45	-10	7
+312	-117	-151	+83	+188	+216	+482	8
26328	25331	25363	25540	25796	27132	27301 ³⁾	9
16499	15736	15705	15789	15885	16632	16600	10
9829	9595	9658	9751	9911	10500	10700	11
2018	1694	1609	1568	1570	1577	1610	12
132	109	103	103	101	100	97	13
305	234	214	197	187	176	172	14
354	302	293	290	290	290	293	15
59	46	40	35	35	36	37	16
86	72	69	67	66	64	63	17
578	538	507	496	508	519	535	18
889	2258	2266	2304	2228	2229	2242	19
3.8	9.1	9.1	9.3	9.0	8.9	8.7	20
73	192	166	159	145	128	106	21
3.2	9.1	7.9	8.1	7.4	6.6	6.1	22
42	105	115	118	114	126	139	23
4.7	4.7	5.1	5.1	5.1	5.6	6.2	24
9	26	30	30	29	29	31	25
1.0	1.2	1.3	1.3	1.3	1.3	1.4	26
11763	10661	10250	9882	9555	9288	9109	27
747	840	791	789	811	848	890	28
9186	8044	7592	7214	6955	6778	6708	29
636	601	592	578	607	628	640	30
2576	2617	2658	2669	2601	2510	2401	31
97	106	109	112	111	109	107	32

General Statistics

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 L�nder 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

General Statistics

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

	1980	1983	1984	1985	1986	1987	1988	No
	1715.5	1722.4	1800.1	1831.3	1805.2	1738.7	1658.0	33
	•	45.2	49.2	51.4	57.3	63.6	73.2	34
	670.9	701.2	723.5	709.2	696.4	659.1	610.3	35
	1044.2	1273.2	1314.2	1338.0	1367.7	1410.8	1470.7	36
	57.9	69.6	72.0	74.3	77.2	81.0	86.8	37
	195.0	233.0	221.3	207.7	210.8	229.7	246.2	38
	11.8	13.3	14.3	14.8	14.1	16.3	18.8	39
	1144.7	1198.3	1168.3	1110.2	1035.6	975.7	936.3	40
	500.8	449.8	427.1	391.6	350.4	323.6	286.9	41
	391.4	359.0	344.2	319.9	285.2	264.5	231.1	42
	109.4	90.8	82.9	71.7	65.2	59.0	55.8	43
	422.2	443.2	438.7	419.7	393.8	361.5	340.5	44
	221.7	305.3	305.0	298.9	291.4	290.6	291.5	45
	567.3	616.4	604.8	632.5	675.0	680.1	643.1	46
	112.5	125.1	128.2	132.6	135.2	139.4	•	47
	2804.5	2832.4	2828.4	2837.0	2843.6	2853.0	2842.3	48
	316.2	315.6	313.7	312.8	311.8	313.1	313.0	49
	1567.9	1586.5	1577.8	1571.7	1559.6	1548.4	1537.5	50
	920.4	930.3	937.0	952.4	972.2	991.5	991.8	51
	557.3	554.9	550.2	546.6	541.6	536.4	532.4	52
	478.1	467.6	461.7	457.1	452.0	446.7	442.6	53
	18.5	17.0	16.3	15.7	15.3	15.0	15.0	54
	79.2	87.3	88.5	89.5	89.6	89.7	89.8	55
	32.0	29.8	29.9	29.6	28.9	27.9	26.7	56
	85.2	•	91.4	92.9	96.1	98.8	•	57
	76.0	•	81.2	82.6	85.6	88.3	•	58
	11	•	13	13	13	13	•	59
	9.2	•	10.2	10.3	10.4	10.5	•	60
	22	•	29	29	32	31	•	61
	160.6	•	183.0	186.2	192.6	193.9	•	62

General Statistics

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

General Statistics

Expenditure, Tax Revenue, Debt, Gross National Product

	1980	1983	1984	1985	1986	1987	1988	No.
	498.09	555.47	568.09	588.81	610.18	628.75	645.66	63
	8.1	9.0	9.3	9.7	10.0	10.3	10.6	64
	217.58	248.72	253.85	259.45	263.85	270.86	277.78	65
	208.65	228.30	234.37	243.42	254.14	262.82	268.59	66
	145.58	151.65	154.71	162.94	172.48	178.14	184.12	67
	162.57	182.14	184.95	191.81	200.51	208.19	213.41	68
	32.24	35.14	35.46	36.67	37.94	39.28	40.12	69
	87.44	98.78	100.22	103.77	108.12	111.37	114.39	70
	42.89	48.23	49.27	51.37	54.45	57.54	58.90	71
	77127	82605	83151	85264	88722	91893	92711	72
	1251	1347	1362	1397	1451	1502	1509	73
	43780	45695	45835	46807	48145	49156	49760	74
	32857	36068	36124	37079	37949	38815	39058	75
	10884	9598	9692	9711	10183	10350	10711	76
	17750	20278	21292	21415	23073	24715	24592	77
	868	1270	1237	1071	1195	1080	1064	78
	16882	19008	20055	20345	21877	23635	23528	79
	43356	49144	49582	51253	53435	55117	56489	80
	30252	33741	33898	34797	36021	36940	37750	81
	11172	13114	13515	14103	14871	15513	16002	82
	364916	396573	414695	437199	452436	468660	488096	83
	5918	6469	6793	7165	7400	7662	7947	84
	177542	191865	198864	207930	210584	218838	222672	85
	125474	137020	143872	152516	160099	166488	172965	86
	51299	53797	57102	61453	63832	64849	68851	87
	493181	699825	745905	791924	831363	882308	938633	88
	8011	11394	12191	12979	13618	14408	15342	89
	230000	341645	365539	392361	413378	440477	475169	90
	159572	235780	256016	274190	290796	311897	330836	91
	92685	108083	109355	110518	112765	115860	117999	92
	1478940	1674840	1755840	1830490	1914200	2006350	2110560	93
	23986	27267	28702	29996	31628	32840	34364	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 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
	1986	587	574	97.8	74.1	2.6	3.6	5.9
Male	1985	293	292	99.5	76.9	1.6	4.5	5.3
	1986	299	294	98.2	75.3	2.5	4.4	5.2
Female	1985	281	277	98.7	74.4	1.6	2.8	6.8
	1986	288	281	97.5	73.0	2.6	2.8	6.6
		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
	1986	578	572	98.9	52.3	4.9	4.1	13.5
Male	1985	304	299	98.4	54.7	3.4	5.0	12.5
	1986	295	291	98.8	53.2	5.0	5.0	12.5
Female	1985	295	288	97.8	52.4	3.1	3.3	14.5
	1986	283	280	98.9	51.3	4.8	3.2	14.6
		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
	1986	602	597	99.1	43.7	4.7	4.4	19.8
Male	1985	314	317	101.0	48.2	4.1	5.4	18.2
	1986	306	307	100.4	46.7	4.9	5.3	18.0
Female	1985	303	300	98.9	42.1	3.8	3.7	22.0
	1986	296	289	97.8	40.7	4.5	3.5	21.6
		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
	1986	620	620	100.1	36.0	5.1	4.9	26.1
Male	1985	351	349	99.5	39.6	4.9	5.7	23.4
	1986	315	317	100.6	38.9	5.3	5.8	23.8
Female	1985	337	334	99.1	33.5	4.7	3.7	28.5
	1986	304	302	99.5	33.1	4.8	3.9	28.5

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							
10 to under 11 years							
4.2	—	—	—	—	—	1960	Total
14.5	—	—	—	—	—	1970	
13.1	—	—	—	—	—	1980	
12.1	—	—	—	—	—	1985	
11.6	—	—	—	—	—	1986	
11.2	—	—	—	—	—	1985	Male
10.8	—	—	—	—	—	1986	
13.1	—	—	—	—	—	1985	Female
12.5	—	—	—	—	—	1986	
11 to under 12 years							
13.1	—	—	—	—	—	1960	Total
21.6	—	—	—	—	—	1970	
23.8	—	—	—	—	—	1980	
23.7	—	—	—	—	—	1985	
24.1	—	—	—	—	—	1986	
22.8	—	—	—	—	—	1985	Male
23.1	—	—	—	—	—	1986	
24.6	—	—	—	—	—	1985	Female
25.0	—	—	—	—	—	1986	
12 to under 13 years							
14.5	—	—	—	—	—	1960	Total
21.0	—	—	—	—	—	1970	
26.4	—	—	—	—	—	1980	
26.1	—	—	—	—	—	1985	
26.5	—	—	—	—	—	1986	
25.0	—	—	—	—	—	1985	Male
25.5	—	—	—	—	—	1986	
27.3	—	—	—	—	—	1985	Female
27.5	—	—	—	—	—	1986	
13 to under 14 years							
15.0	—	0.4	—	—	—	1960	Total
21.0	—	0.7	—	—	—	1970	
26.7	—	—	—	—	—	1980	
27.3	—	—	—	—	—	1985	
28.0	—	—	—	—	—	1986	
26.0	—	—	—	—	—	1985	Male
26.8	—	—	—	—	—	1986	
28.7	—	—	—	—	—	1985	Female
29.2	—	—	—	—	—	1986	

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 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
	1986	691	681	98.5	36.6	4.7	4.8	26.4
Male	1985	396	386	97.5	39.5	4.7	5.7	23.4
	1986	353	348	98.5	39.4	4.9	5.9	23.8
Female	1985	378	370	97.7	33.8	4.4	3.7	29.0
	1986	338	333	98.5	33.7	4.5	3.8	29.1
		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
	1986	779	777	99.7	27.8	4.3	4.4	26.5
Male	1985	415	427	102.8	31.6	4.5	5.3	24.2
	1986	399	397	99.6	30.7	4.5	5.2	23.7
Female	1985	395	403	102.0	25.4	4.2	3.6	30.1
	1986	379	379	100.1	24.8	4.2	3.5	29.5
		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
	1986	815	832	102.1	11.8	2.8	2.8	17.3
Male	1985	469	470	100.3	12.4	2.6	3.0	16.1
	1986	418	429	102.6	12.9	2.9	3.3	16.6
Female	1985	444	438	98.5	10.0	2.4	2.1	17.5
	1986	397	405	101.9	10.6	2.7	2.2	18.2
		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
	1986	916	889	97.1	2.6	1.2	2.7	4.8
Male	1985	504	499	99.0	2.6	1.1	2.8	5.2
	1986	470	471	100.3	2.7	1.3	3.0	5.1
Female	1985	476	444	93.2	2.3	1.0	2.1	4.6
	1986	446	418	93.7	2.5	1.2	2.3	4.5

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	
25.8	—	0.2	—	—	—	1986	
24.1	—	0.1	—	—	0.0	1985	Male
24.4	—	0.1	—	—	0.0	1986	
26.9	—	0.1	—	—	—	1985	Female
27.2	—	0.2	—	—	—	1986	
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	
25.0	8.2	3.5	—	0.0	0.0	1986	
24.4	10.5	2.4	—	—	0.0	1985	Male
23.7	9.6	2.2	—	0.0	0.0	1986	
27.2	6.8	4.7	—	—	0.0	1985	Female
26.5	6.7	4.9	—	0.0	0.0	1986	
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	
24.5	30.7	11.0	1.2	0.0	0.0	1986	
22.9	35.5	6.7	1.1	—	0.0	1985	Male
23.4	35.4	6.9	1.2	0.0	0.0	1986	
25.1	25.2	15.0	1.2	—	0.0	1985	Female
25.8	25.7	15.4	1.3	0.0	0.0	1986	
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	
22.4	49.1	11.3	2.7	0.3	—	1986	
21.7	55.8	7.1	2.7	—	0.0	1985	Male
21.7	56.1	7.6	2.8	0.0	0.0	1986	
23.4	41.1	15.2	2.5	1.0	0.0	1985	Female
23.2	41.6	15.3	2.5	0.6	0.0	1986	

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 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
	1986	985	797	80.9	—	0.8	0.7
Male	1985	523	447	85.5	—	0.7	0.9
	1986	506	430	84.9	—	0.8	0.9
Female	1985	496	377	76.1	—	0.7	0.6
	1986	479	367	76.7	—	0.8	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
	1986	1024	570	55.7	—	0.4	0.2
Male	1985	544	303	55.7	—	0.3	0.2
	1986	525	298	56.7	—	0.4	0.2
Female	1985	515	274	53.3	—	0.3	0.2
	1986	500	268	53.6	—	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	0.1
	1985	1069	374	35.0	—	0.2	0.1
	1986	1067	383	35.9	—	0.2	0.1
Male	1985	551	182	33.1	—	0.2	0.1
	1986	548	187	34.2	—	0.2	0.1
Female	1985	518	192	37.0	—	0.1	0.1
	1986	519	194	37.4	—	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
	1986	1077	291	27.0	—	—	0.1
Male	1985	565	140	24.8	—	—	0.1
	1986	555	147	26.6	—	—	0.1
Female	1985	530	139	26.1	—	—	0.1
	1986	522	145	27.7	—	—	0.1

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							
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	
20.9	47.4	6.4	3.1	1.3	0.3	1986	
20.5	55.0	4.5	3.3	0.4	0.2	1985	Male
20.4	54.2	4.7	3.4	0.3	0.2	1986	
21.5	39.4	8.3	2.6	2.9	0.2	1985	Female
21.5	40.3	8.1	2.7	2.5	0.2	1986	
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	
10.0	32.7	3.5	2.6	2.6	3.7	1986	
10.2	36.0	2.4	3.1	0.8	2.5	1985	Male
10.6	36.6	2.8	2.8	0.7	2.6	1986	
9.1	27.3	4.6	1.7	5.5	4.5	1985	Female
9.3	28.6	4.3	1.8	4.4	4.7	1986	
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	
2.3	17.9	2.2	1.7	3.4	8.1	1986	
3.0	18.0	1.4	2.4	1.1	7.0	1985	Male
2.9	18.6	1.6	2.5	1.1	7.2	1986	
1.9	16.5	3.0	0.9	5.9	8.6	1985	Female
1.8	17.3	2.7	0.9	5.7	8.8	1986	
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	9.1	1.2	1.1	2.6	12.2	1986	
0.9	8.3	0.8	1.6	0.9	12.3	1985	Male
0.8	8.8	0.9	1.7	1.0	13.2	1986	
0.5	9.0	1.6	0.5	4.0	10.5	1985	Female
0.5	9.5	1.5	0.5	4.5	11.1	1986	

²⁾ Including evening grammar schools and secondary education colleges

³⁾ Including basic vocational training year and vocational extension schools

General Statistics

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
	1986	1104	320	29.0	—	—	0.1
Male	1985	559	176	31.5	—	—	0.1
	1986	570	182	32.0	—	—	0.1
Female	1985	526	125	23.7	—	—	0.1
	1986	534	136	25.4	—	—	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
	1986	1094	194	17.7	—	—	0.1
Male	1985	539	112	20.8	—	—	0.1
	1986	565	116	20.6	—	—	0.1
Female	1985	507	74	14.5	—	—	0.0
	1986	529	77	14.6	—	—	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
	1986	1055	187	17.7	—	—	0.1
Male	1985	534	110	20.6	—	—	0.1
	1986	545	116	21.3	—	—	0.1
Female	1985	505	64	12.8	—	—	0.0
	1986	510	68	13.5	—	—	0.0
		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
	1986	1046	155	14.8	—	—	0.0
Male	1985	521	98	18.7	—	—	0.1
	1986	539	103	19.2	—	—	0.1
Female	1985	492	50	10.2	—	—	0.0
	1986	508	52	10.3	—	—	0.0

¹⁾ Including evening intermediate schools

General Statistics

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 Insti-tutions		
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	10.9	1.0	0.6	2.0	14.1	1986	
0.5	12.2	0.8	0.9	1.2	15.9	1985	Male
0.3	12.5	0.8	0.8	1.2	16.3	1986	
0.4	7.9	1.2	0.3	2.5	11.4	1985	Female
0.2	9.1	1.2	0.3	2.9	11.6	1986	
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	—	0.6	0.3	1.6	14.8	1986	
0.4	0.1	0.7	0.4	1.5	17.7	1985	Male
0.3	0.1	0.4	0.5	1.5	17.7	1986	
0.4	—	0.9	0.1	1.6	11.6	1985	Female
0.3	0.0	0.8	0.1	1.8	11.6	1986	
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	
0.4	0.1	0.1	0.2	1.5	15.3	1986	
0.4	0.1	—	0.3	1.6	18.3	1985	Male
0.3	0.1	0.1	0.3	1.7	18.7	1986	
0.3	—	0.1	0.1	0.9	11.2	1985	Female
0.4	0.0	0.0	0.1	1.4	11.6	1986	
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	—	0.1	0.1	1.1	13.2	1986	
0.3	—	—	0.2	1.4	16.8	1985	Male
0.3	—	0.2	0.2	1.5	16.9	1986	
0.3	—	—	—	0.6	9.3	1985	Female
0.3	—	0.0	0.0	0.7	9.3	1986	

²⁾ Including evening grammar schools and secondary education colleges

³⁾ Including basic vocational training year and vocational extension schools

Kindergartens

Definitions

Kindergartens

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 1987¹⁾

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	188	33.0	91	31.2	98	35.4
4-5	415	70.0	217	70.5	198	69.5
5-6	505	84.9	259	85.8	246	84.0
6-8	434	85.1	228	85.4	206	84.8
Total	1542	68.0	794	67.9	748	68.2
German	1372	69.3	705	68.9	667	69.8
Foreign	171	59.6	89	60.5	81	57.5

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	Insti- tutions	Places	Insti- tutions	1000 Chil- dren ²⁾	Insti- tution	1000 Chil- dren	Insti- tution
	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	●

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
SA	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.

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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 Comprehensive Schools/ Free Waldorf Schools	Orientation Stage In- dependent of School Type	Secondary General Schools	Inter- mediate Schools	Integrated Comprehensive Schools/ Free Waldorf Schools ¹⁾

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	143.9
1980	13.0	49.2	2772.8	13.1	337.9	1933.7	1351.1	188.9
1981	13.8	46.9	2589.9	13.6	332.3	1853.0	1323.4	191.1
1982	14.4	45.4	2439.4	14.2	313.6	1748.0	1278.1	189.9
1983	14.6	44.1	2350.9	15.3	283.2	1611.7	1214.4	187.0
1984	14.5	43.7	2290.4	16.1	254.1	1460.3	1132.2	182.6
1985	15.3	44.8	2254.6	17.0	239.9	1332.5	1049.0	178.2
1986	25.5	36.8	2269.0	18.6	224.9	1227.9	975.5	194.5
1987	33.4	32.6	2304.0	20.0	222.9	1133.8	915.3	198.2
1988	32.9	33.6	2367.1	20.9	213.9	1075.8	875.2	207.7

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

1988	33.5	32.0	2341.5	23.0	216.3	1068.1	871.1	203.7
1989	33.0	31.8	2382.3	23.7	209.6	1023.6	849.7	213.9
1990	32.6	31.2	2381.1	23.7	207.2	1006.9	843.7	226.5
1991	33.0	31.0	2359.3	23.7	211.6	1004.0	843.5	239.5
1992	34.0	31.6	2351.8	23.6	214.3	1009.4	850.7	250.6
1993	34.4	32.2	2370.1	23.7	212.0	1018.1	858.0	258.9
1994	34.9	32.6	2411.6	23.7	206.5	1025.0	867.8	262.9
1995	35.1	32.8	2458.3	23.9	202.9	1027.0	876.8	264.6
1996	35.2	32.7	2496.3	24.0	204.9	1027.3	879.7	265.3
1997	35.3	32.7	2517.7	24.1	210.4	1029.8	878.8	265.9
1998	34.9	32.6	2526.0	24.2	215.0	1037.4	880.6	267.2
1999	34.7	32.3	2523.0	24.2	218.1	1052.7	887.4	269.6
2000	34.3	32.8	2505.6	24.2	220.4	1070.8	900.5	273.3
2005	31.5	28.3	2230.9	23.4	214.8	1083.0	925.7	276.2
2010	29.2	25.0	1881.9	22.1	186.0	960.6	833.8	247.2

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 Secondary 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?)	Even- ing Grammar Schools and Full-time Adult Educa- tion Colleges	Classes for Children with Learn- ing Diffi- culties	

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

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

0.8	11.4	1004.1	545.1	26.7	140.3	110.9	1988
0.8	11.6	1001.4	507.7	27.2	137.8	110.7	1989
0.8	11.6	1012.5	472.0	27.5	131.0	137.4	1990
0.8	11.5	1028.6	449.2	27.9	138.2	110.8	1991
0.8	11.4	1045.2	442.3	29.2	138.8	111.7	1992
0.8	11.4	1054.6	445.6	31.7	140.1	113.9	1993
0.8	11.3	1061.1	447.9	35.1	141.6	115.4	1994
0.8	11.3	1069.5	447.6	38.2	144.3	116.8	1995
0.8	11.3	1073.2	452.0	41.0	145.3	118.7	1996
0.8	11.2	1076.6	462.2	42.6	145.8	119.1	1997
0.8	11.2	1081.3	475.7	43.6	146.0	119.5	1998
0.8	11.2	1091.2	478.9	43.8	147.5	119.6	1999
0.8	11.2	1106.6	473.8	43.4	147.9	119.2	2000
0.8	11.1	1126.3	495.9	45.6	141.9	115.2	2005
0.8	11.0	1005.8	497.4	45.7	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- schul- en/ Technische Ober- schul- en 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	5.7	325.6	4.0
1981	1808.3	41.9	80.0	16.6	18.7	4.1	334.3	4.7
1982	1771.7	41.6	86.1	17.3	17.6	3.3	356.3	4.7
1983	1792.0	44.3	88.4	18.8	13.4	2.3	356.7	4.4
1984	1858.3	40.6	87.1	17.9	10.2	1.9	347.2	4.0
1985	1893.3	36.0	80.1	15.5	8.3	1.6	339.7	3.6
1986	1857.2	27.8	68.9	18.2	6.8	1.4	318.7	3.9
1987	1773.1	25.3	58.8	28.2	8.9	0.8	301.8	4.6
1988	1674.2	24.8	50.1	37.2	7.9	0.8	285.3	5.7

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	6.1
1990	1494.1	21.1	44.6	47.0	7.4	0.7	237.8	6.4
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/ Voc- ational 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	—	—	—	1960
	—	—	103.9	—	—	—	1965
	50.3	8.1	130.6	—	—	—	1970
	90.1	28.7	100.8	6.3	9.6	—	1975
55.5	23.8	54.5	73.6	11.3	10.1	8.3	1980
62.9	27.0	60.7	78.7	13.4	10.5	11.2	1981
68.6	26.3	64.0	78.2	13.5	11.3	12.5	1982
63.4	23.1	63.3	73.9	14.1	11.4	13.4	1983
55.9	22.1	62.0	71.3	16.0	11.5	13.6	1984
50.5	24.2	61.1	70.5	20.2	11.5	13.1	1985
51.3	24.2	61.6	70.2	20.4	11.2	13.5	1986
54.3	24.8	62.1	74.3	23.4	10.5	13.2	1987
56.1	25.8	62.9	79.3	25.9	9.8	12.7	1988

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 Per Cent of Total Number of Pupils in General Education Schools according to Level and Type of School

Year	Percentage of Girls at							
	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 Indep- endent of School Type	Secun- dary General Schools	Inter- mediate Schools	Orien- tation Stage in- dependent of School Type ¹⁾
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

¹⁾ Classes 5 to 10

Girls in Per Cent of Total Number of Pupils in General Education Schools according to Level and Type of School (cont.)

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

²⁾ Classes 11 to 13

Girls in Per Cent of Total Number of Pupils in Vocational Schools according to Level and Type of School

Year	Percentage of Girls 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 ¹⁾)	Berufs- ober- schulen/ Technische Ober- schulen ¹⁾)	
	part-time	full-time		part-time	full-time	part-time	full-time	
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

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

Girls in Per Cent of Total Number of Pupils in Vocational Schools according to Level and Type of School (cont.)

Percentage of Girls at (cont.)										Year
Secondary Level II										
Fachober- schulen	Specia- lized Gram- mar Schools	Trade and Technical Schools		Specia- lized Voca- tional Acade- mies	Kollegschule (only in North- Rhine West- phalia)		Schools for Nurses (Midwives etc.?)			
full-time	part-time	full-time		part-time	full-time		part-time	full-time		
—	—	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		1980
29.9	41.5	42.0	38.1	37.3	81.9	51.8	32.5	86.1		1981
28.9	40.7	42.2	37.9	34.8	82.3	52.8	32.3	86.0		1982
28.4	42.0	41.9	39.4	31.2	82.5	52.2	32.7	86.1		1983
29.5	41.2	41.6	41.1	28.1	82.6	55.9	35.9	86.2		1984
30.1	39.3	41.2	40.7	10.3	82.6	54.2	36.9	86.4		1985
29.8	36.8	40.6	38.0	23.0	82.1	54.1	35.5	86.5		1986
28.2	36.5	40.5	37.4	21.0	80.7	53.5	36.6	86.4		1987
28.8	37.2	41.0	35.8	20.5	79.5	51.4	37.3	85.9		1988

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

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
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
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
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

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
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
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
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

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	739.8	1616.0	709.4	58.2	30.3	34.1	16.3
Laender 1988								
BW	258.8	115.2	252.7	112.0	6.1	3.2	3.6	1.9
BA	291.6	131.0	277.7	123.1	13.9	7.9	8.5	4.3
HE	148.4	66.3	139.6	61.2	8.8	5.1	5.3	2.5
NS	212.5	93.5	210.6	92.7	1.9	0.8	1.8	0.7
NW	449.3	196.8	431.1	188.0	18.2	8.8	7.9	3.5
RP	94.6	41.4	92.4	40.1	2.2	1.2	1.3	0.7
SA	27.8	12.2	27.4	12.0	0.4	0.1	0.0	0.0
SH	79.5	35.1	75.8	33.5	3.7	1.7	3.3	1.4
BE	38.6	15.9	37.8	15.5	0.8	0.4	0.8	0.4
BR	27.2	12.0	26.3	11.4	1.0	0.6	0.4	0.3
HA	45.9	20.4	44.7	19.9	1.2	0.5	1.2	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
Laender 1988								
BW	72.1	65.5	70.4	63.7	1.7	1.8	1.0	1.1
BA	71.0	65.3	67.6	61.3	3.4	3.9	2.1	2.1
HE	74.1	68.2	69.7	63.0	4.4	5.3	2.7	2.6
NS	72.8	65.3	72.1	64.7	0.7	0.6	0.6	0.5
NW	72.2	65.0	69.3	62.1	2.9	2.9	1.3	1.2
RP	69.5	62.5	67.9	60.6	1.6	1.8	1.0	1.1
SA	77.2	69.1	76.1	68.0	1.1	0.6	0.0	0.0
SH	78.2	71.4	74.5	68.1	3.6	3.5	3.3	2.9
BE	67.3	57.3	65.9	55.8	1.4	1.4	1.4	1.4
BR	121.1	109.8	117.1	104.3	0.5	0.5	1.8	2.7
HA	98.0	88.4	95.4	82.2	2.6	2.2	2.6	2.2

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 and School-kindergartens	Primary and Secondary General Schools	Intermediate Schools	Grammar Schools	Integrated Comprehensive Schools/Free Waldorf Schools	Evening Schools and Secondary Education Colleges	Special Schools

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	12.8	496.6	59.8	64.3	29.9	3.2	41.0
1988	737.2	12.6	510.9	63.9	69.9	34.4	3.7	41.8

Länder 1988								
BW	148.1	1.3	106.9	14.8	12.1	1.4	0.3	11.1
BA	90.7	—	70.3	6.1	9.6	0.4	0.1	4.1
HE	79.0	1.7	48.6	8.6	9.1	6.9	0.4	3.7
NS	45.9	1.2	32.9	4.4	3.5	1.3	0.0	2.6
NW	252.2	3.5	173.6	19.9	23.2	15.4	2.1	14.5
RP	23.7	0.2	18.5	1.6	2.0	0.3	0.0	1.1
SA	6.4	0.1	4.6	0.5	0.5	0.3	0.0	0.3
SH	12.2	0.5	7.6	1.7	1.2	0.1	0.1	1.0
BE	43.9	2.2	27.1	2.8	4.2	5.3	0.5	1.7
BR	9.1	0.3	6.0	1.2	0.9	0.2	0.1	0.4
HA	26.1	1.6	14.9	2.2	3.4	2.7	0.1	1.2

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

Year Land	Foreign Pupils											Schools for Nurses Mid- wives etc. ³⁾
	Total	of which										
		Part- time Voca- tional Schools	Pre- voca- tional/ Basic Vocational Training Year	Voca- tional Exten- sion Schools	Full- time Voca- tional Schools	Berufs- ober- schuln ¹⁾ Tech- nische (Berufs- Ober- fach- schuln ¹⁾ schulen)	Fach- ober- schuln ¹⁾	Specia- lized Gram- mar Schools	Trade and Tech- nical Schools	Specia- lized Voca- tional Acade- mies/ Voca- tional Acade- mies	Kolleg- schule (only in North- Rhine West- phalia) ²⁾	

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	14.1	0.4	10.7	0.04	1.9	0.8	2.2	0.2	0.9	1.7	1.7
1981	121.4	82.2	17.0	0.4	13.2	0.05	2.5	1.0	2.6	0.2	2.3	1.9	1.9
1982	123.6	80.4	17.4	0.4	15.8	0.05	2.7	1.2	2.8	0.2	2.7	2.0	2.0
1983	119.3	77.0	17.0	0.3	15.5	0.06	2.5	1.4	2.4	0.2	3.0	2.0	2.0
1984	116.6	75.6	14.8	0.3	16.1	0.06	2.6	1.6	2.3	0.3	3.0	2.1	2.1
1985	120.0	78.3	13.9	0.3	17.3	0.05	2.7	1.8	2.3	0.3	3.1	2.2	2.2
1986	126.7	83.7	13.5	0.3	18.8	0.06	2.9	2.0	1.7	0.2	3.6	2.3	2.3
1987	137.8	90.6	14.4	0.4	20.9	0.1	3.2	2.2	1.7	0.2	4.0	2.6	2.6
1988	152.4	98.1	17.9	0.3	23.0	0.1	3.6	2.7	2.0	0.2	4.5	3.1	3.1

Laender 1988													
BW	34.2	19.9	3.3	0.1	8.9	0.0	—	1.4	0.5	—	—	—	0.4
BA	24.1	17.4	3.8	0.1	1.2	0.1	0.9	—	0.3	0.2	—	—	0.2
HE	17.8	12.1	2.4	0.0	1.9	—	0.5	0.6	0.2	—	—	—	0.3
NS	9.2	5.1	2.1	0.0	1.5	—	0.3	0.2	0.1	—	—	—	0.2
NW	43.4	28.8	2.6	0.0	6.1	—	1.1	—	0.4	—	4.5	0.9	0.9
RP	5.3	3.3	0.9	0.0	0.8	—	0.1	0.1	0.1	—	—	—	0.2
SA	1.8	1.2	0.2	0.0	0.2	—	0.1	—	0.0	—	—	—	0.0
SH	2.1	1.5	0.1	0.0	0.3	—	0.0	0.1	0.1	0.0	—	—	0.1
BE	7.0	4.8	1.0	—	0.6	—	0.3	0.1	0.2	—	—	—	0.5
BR	2.2	1.4	0.3	0.0	0.4	—	0.1	—	0.0	—	—	—	0.0
HA	5.3	2.6	1.1	0.0	1.1	—	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

2 Schools

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 Schools/Free Waldorf Schools	Evening Schools	Special Schools
1	Europe	631292	3793	6191	235338	204641	56546	56472	28783	2128	37400
2	EC Member States of which	152422	436	1122	55505	47887	15223	17231	5558	599	8861
3	Belgium	1293	5	7	398	234	125	387	48	20	69
4	Denmark	827	34	2	239	96	140	275	31	3	7
5	France	3410	19	11	1091	359	197	1430	170	38	95
6	Greece	37534	94	162	12486	13450	3672	5076	1148	119	1327
7	Great Britain ¹⁾	5060	43	17	1825	848	488	1306	304	51	178
8	Ireland	206	2	—	83	27	18	53	8	10	5
9	Italy	71662	117	767	29297	23622	5858	3838	2326	154	5683
10	Luxembourg	155	—	—	40	28	14	52	10	5	6
11	Netherlands	4112	11	9	975	873	670	1193	190	54	137
12	Portugal	11323	63	64	3685	3656	1474	1266	516	53	546
13	Spain	16840	48	83	5386	4694	2567	2355	807	92	808
14	Other Countries of which	478870	3357	5069	179833	156754	41323	39241	23225	1529	28539
15	Yugoslavia	98513	379	586	34693	30769	13416	11178	3186	170	4136
16	Austria	8588	9	4	1823	1120	1064	3979	350	72	167
17	Switzerland	930	—	1	175	87	66	476	94	24	7
18	Turkey	353317	2785	4328	136511	121535	25455	19055	18816	971	23861
19	Africa	24306	57	448	11194	6773	1410	1320	1316	305	1483
20	America	7622	64	33	1942	765	653	2772	1164	117	112
21	Asia	39072	380	426	15956	6102	2816	7368	2009	1010	1005
22	Australia and Oceania	283	2	—	72	18	18	146	24	—	3
23	All Countries Number	737207	4816	7330	282128	229241	63901	69927	34445	3666	41753
24	Per Cent ²⁾	11.0	14.6	21.8	11.9	17.8	7.3	4.5	13.6	8.2	16.8

¹⁾ Including Northern Ireland

²⁾ In per cent of all pupils of the respective type of school

³⁾ Including orientation stage independent of school type

Schools

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

No.	Country of Origin	Foreign Pupils													
		Total	of which												
			Part-time Vocational Schools	Pre-vocational Basic Vocational Training Year	Vocational Extension Schools	Full-time Vocational Schools (Berufsaufbau- und Fachschulen)	Berufsaufbau- und Fachschulen	Fachoberschulen	Specialized Grammar Schools	Trade and Technical Schools	Specialized Vocational Academies/Vocational Westphalia ²⁾	Kollegien (only in North Rhine)	Schools for Nurses, Midwives etc. ³⁾		
1	Europe	138880	50919	15792	282	20805	94	2829	2345	1521	184	4109	2387	1	
2	EC Member States of which	40208	27311	2951	80	6726	26	614	723	639	87	1051	767	2	
3	Belgium	556	363	30	2	87	2	22	8	24	4	14	26	3	
4	Denmark	143	99	7	•	17	—	2	8	8	—	2	11	4	
5	France	1133	706	55	4	228	—	23	27	48	23	19	50	5	
6	Greece	8029	5299	590	19	1460	3	120	163	92	10	273	148	6	
7	Great Britain ¹⁾	1129	720	67	3	172	4	43	35	31	7	47	35	7	
8	Ireland	39	27	2	•	5	—	2	1	1	—	1	—	8	
9	Italy	17745	12460	1536	33	2661	16	202	243	208	28	358	159	9	
10	Luxembourg	41	23	2	•	3	—	7	•	2	—	4	—	10	
11	Netherlands	2035	1316	123	1	352	—	54	40	66	—	83	97	11	
12	Portugal	3552	2351	253	8	692	1	46	55	44	—	102	120	12	
13	Spain	5806	3947	286	10	1049	—	93	143	115	15	148	117	13	
14	Other Countries of which	98672	63608	12841	202	14079	68	2215	1622	882	97	3058	1620	14	
15	Yugoslavia	19211	12445	1998	33	3417	17	327	451	145	14	360	261	15	
16	Austria	3915	2521	245	29	468	22	229	121	191	39	50	108	16	
17	Switzerland	439	252	8	1	76	1	12	31	49	—	9	32	17	
18	Turkey	72660	47229	10324	121	9581	22	1526	909	339	10	2599	870	18	
19	Africa	3272	1825	554	7	502	1	98	41	78	35	163	148	19	
20	America	1803	968	99	8	394	4	73	78	113	20	31	60	20	
21	Asia	4986	2267	814	18	969	3	378	137	202	2	178	420	21	
22	Australia and Oceania	67	39	1	•	18	1	2	2	2	1	—	2	22	
23	All Countries Number	152392	98069	17903	338	23033	105	3556	2685	1957	245	4501	3053	23	
24	Per Cent ²⁾	6.3	5.9	16.0	3.9	8.1	1.9	4.3	4.3	1.7	2.5	8.1	2.8	24	

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

2 Schools

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	of which		Total		of which from		
		without Secondary General Certificate	with Secondary General School Certificate			General Education 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	15.0 ¹⁾
1965	563.2	134.6	27.4	422.8	—	131.8	93.8	38.0 ¹⁾
1970	489.1	140.3	33.2	348.8	—	200.1	143.9	56.2
1975	461.6	114.6	42.6	347.1	—	318.0	231.8	86.2
1980	500.8	109.4	37.7	391.4	22.2	422.2	327.8	94.5
1981	454.1	101.0	33.3	353.1	22.7	435.9	337.8	98.1
1982	459.5	96.6	31.6	362.9	21.8	436.3	347.9	88.4
1983	449.7	90.7	29.5	359.0	23.7	443.2	354.3	88.9
1984	427.1	82.9	26.8	344.2	23.9	438.7	359.2	79.5
1985	391.6	71.7	24.3	319.9	22.4	419.7	348.8	70.9
1986	350.4	65.2	21.9	285.2	22.1	393.8	328.0	65.3
1987	323.6	59.0	26.1	264.5	19.2	361.5	304.6	57.0
1988	286.9	55.8	25.2	231.1	17.4	340.5	280.1	53.6

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	54.4 ¹⁾
1989	267.4	50.2	18.3	217.2	17.6 ¹⁾	305.0	256.2	48.8 ¹⁾
1990	249.0	46.6	17.1	202.4	16.4 ¹⁾	283.8	238.4	45.4 ¹⁾
1991	241.4	45.2	16.6	196.2	15.9 ¹⁾	277.6	233.2	44.4 ¹⁾
1992	235.6	44.6	16.4	191.0	15.5 ¹⁾	272.6	229.0	43.6 ¹⁾
1993	233.3	44.7	16.5	188.6	15.4 ¹⁾	272.3	228.7	43.6 ¹⁾
1994	230.6	44.7	16.5	185.9	15.2 ¹⁾	271.1	227.7	43.4 ¹⁾
1995	237.5	46.6	16.9	190.9	15.7 ¹⁾	266.9	224.2	42.7 ¹⁾
1996	245.7	47.5	17.4	198.2	16.2 ¹⁾	278.9	234.3	44.6 ¹⁾
1997	249.5	48.1	17.9	201.4	16.5 ¹⁾	287.0	240.7	46.3 ¹⁾
1998	246.4	47.9	18.0	198.5	16.3 ¹⁾	289.4	243.1	46.3 ¹⁾
1999	241.8	47.5	17.9	194.3	16.0 ¹⁾	286.0	240.2	45.8 ¹⁾
2000	240.0	47.3	17.7	192.7	15.8 ¹⁾	279.5	234.8	44.7 ¹⁾
2005	259.3	49.5	18.5	209.8	17.1 ¹⁾	300.5	252.4	48.1 ¹⁾
2010	248.4	47.2	17.8	201.2	16.4 ¹⁾	294.5	247.4	47.1 ¹⁾

¹⁾ Estimate

Schools

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	Total	of which from		
56.7	56.7	—	—	56.7	—	—	—	—	● 1960
50.5	50.5	—	—	50.5	—	—	—	—	● 1965
91.5	83.5	8.0	87.2	83.5	3.7	4.3	—	4.3	● 1970
175.0	119.7	55.3	126.2	115.4	10.8	48.8	4.3	44.5	● 1975
221.7	159.6	62.1	168.5	155.1	13.4	53.2	4.5	48.7	● 1980
258.4	186.7	71.7	197.0	181.6	15.4	61.4	5.1	56.3	● 1981
286.3	202.6	83.7	214.8	196.7	18.1	71.5	5.9	65.6	● 1982
305.7	214.1	91.6	227.7	207.6	20.1	78.0	6.5	71.5	● 1983
305.0	216.5	88.5	230.9	210.2	20.7	74.1	6.3	67.8	● 1984
298.9	216.2	82.7	230.9	210.1	20.8	68.0	6.1	61.9	● 1985
291.4	211.4	79.9	224.5	205.7	18.8	66.8	5.7	61.1	● 1986
290.6	207.7	82.9	221.2	202.3	18.8	69.5	5.3	64.1	● 1987
291.5	202.7	88.8	217.7	197.8	20.0	73.7	4.9	68.8	● 1988

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

290.2	203.3	87.0	217.5	197.9	20.0	72.7	5.4	67.4	1988
274.9	189.4	85.4	203.2	184.3	18.8	71.7	5.1	66.6	1989
264.0	182.2	81.9	196.6	177.3	19.3	67.4	4.9	62.5	1990
246.0	169.3	76.7	182.8	164.7	18.1	63.2	4.6	58.7	1991
225.8	154.2	71.6	166.1	149.8	16.3	59.7	4.3	55.5	1992
216.2	148.1	68.1	159.4	143.8	15.6	56.8	4.3	52.5	1993
213.9	148.8	64.9	159.5	144.4	15.1	54.4	4.4	50.0	1994
211.6	148.6	63.0	158.7	144.1	14.6	52.9	4.5	48.2	1995
214.9	153.2	61.7	163.0	148.7	14.3	51.9	4.6	47.4	1996
215.0	153.6	61.4	163.2	149.1	14.2	51.8	4.5	47.2	1997
213.4	151.5	61.9	161.0	146.9	14.1	52.4	4.6	47.8	1998
220.6	158.4	62.2	167.8	153.6	14.2	52.8	4.8	48.0	1999
226.7	164.2	62.5	173.5	159.3	14.2	53.1	4.8	48.3	2000
226.8	162.7	64.1	173.2	157.9	15.3	53.6	4.8	48.8	2005
237.7	172.7	65.0	183.1	167.7	15.4	54.6	5.0	49.5	2010

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 Compul- sory Full-time Schooling and Vocational Schools ¹⁾	Leavers with Intermediate School Certificate or Equivalent		
	Total	of which		Total		of which from		
		without Secondary General School Certificate	with General School Certificate			General Education Schools	Voca- tional 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

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 Education Schools	Vocational Schools		General Education Schools	Vocational Schools ¹⁾		General Education Schools	Vocational 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

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	Integra- ted Com- prehensive Schools/ Free Wal- dorf Schools	Orientation Stage Inde- pendent of School Type	Secon- dary General Schools	Inter- mediate Schools	Orientation Stage Inde- pendent 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
BW	—	1115	18497	344	65	13230	11365	984
BA	—	—	23243	96	51	19831	9374	381
HE	130	365	10352	129	3140	2190	3824	3440
NS	413	293	14003	111	8342	6762	7107	1323
NW	—	905	29495	162	—	23041	13149	6728
RP	2	106	7292	25	—	5687	2833	285
SA	—	40	2092	14	—	1338	916	402
SH	188	152	4409	72	—	2882	3525	243
BE	643	—	3654	84	2036	1067	999	1833
BR	10	84	1153	16	820	492	541	223
HA	269	16	2102	286	78	1048	949	1350

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
BW	—	6.1	20.1	16.7	16.6	13.3	15.2	11.5
BA	—	—	18.8	18.2	12.7	14.0	14.8	11.9
HE	17.6	10.4	20.3	16.5	14.0	17.9	18.5	13.2
NS	22.3	12.2	19.9	19.8	15.2	12.3	14.8	10.7
NW	—	15.2	22.1	25.5	—	14.3	18.3	12.1
RP	23.5	12.3	19.9	19.2	—	13.7	16.6	14.0
SA	—	10.5	18.9	20.1	—	13.3	13.9	11.3
SH	28.4	14.3	21.3	17.3	—	14.3	14.6	12.7
BE	14.8	—	18.2	19.2	14.4	8.9	13.4	10.3
BR	27.7	13.7	18.6	15.1	12.8	10.3	14.0	11.0
HA	23.1	10.0	21.4	17.3	13.6	15.9	14.2	12.0

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

²⁾ Classes 5 to 10

³⁾ 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 Intermediate School Level	Grammar Schools Classes 5 to 10	Classes 11 to 13	Orientation Stage Independent of School type ³⁾	Evening Grammar School	Full-time Adult Education Colleges	Classes for Children with Learning Difficulties	Classes for Children with Other Handicaps

Teachers ¹⁾							
30	358	69773	54930	2481	1146	1049	19820
26	432	67514	55602	2622	1154	1140	19400
31	439	65345	56606	2562	1164	1126	18562
39	427	64547	55712	2659	1200	1168	18022
42	476	64150	54048	2499	1244	1210	17330
50	523	64914	51492	2671	1314	1263	16906
—	79	11459	7327	336	105	73	2993
—	34	12148	7990	70	67	127	2516
1	27	5433	4973	223	250	90	1163
—	—	5793	6409	390	92	97	2679
—	273	18322	14884	875	587	626	4169
—	—	3717	2815	48	—	64	1016
—	12	1096	734	13	21	—	244
—	39	2746	2229	62	48	—	997
38	25	1769	1697	317	45	167	497
7	24	538	855	7	51	—	232
4	10	1893	1579	330	48	19	400

Pupils per Teacher							
34.3	25.8	18.5	12.2	10.6	14.3	10.6	9.7
26.2	21.0	17.7	11.8	9.8	14.0	10.1	9.1
23.9	20.2	17.0	11.3	10.0	14.0	10.1	8.8
16.1	22.4	16.2	10.9	9.6	14.1	10.0	8.5
15.7	22.9	15.9	10.7	10.2	14.2	9.9	8.3
15.0	23.1	15.6	10.7	10.1	14.0	10.0	8.1
—	25.1	13.7	10.4	10.3	16.3	10.4	7.3
—	17.8	15.5	10.1	9.3	13.8	10.6	7.0
31.0	27.1	17.1	10.8	9.4	12.8	11.4	8.8
—	—	14.2	10.4	9.9	9.8	8.3	7.0
—	27.2	16.9	11.5	11.6	15.7	9.9	10.2
—	—	16.8	11.3	10.7	—	9.8	7.4
—	23.0	14.7	10.3	8.9	14.0	—	6.6
—	17.8	15.5	10.1	9.8	11.4	—	8.5
14.6	23.5	13.2	9.4	9.0	9.9	10.0	6.4
14.7	14.4	13.4	9.3	13.3	10.4	—	7.0
15.0	14.8	15.2	11.0	7.6	12.1	9.6	7.2

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)	Berufs- ober- schulen/ Tech- nische Ober- schulen	
	part-time	full-time		part-time	full-time	part-time	full-time	
	Teachers ¹⁾							
1983	34331	3666	6434	505	900	57	23511	323
1984	35925	3492	6421	443	699	41	23731	320
1985	37099	3365	6316	435	602	39	23608	306
1986	38079	2952	5828	546	508	37	23051	305
1987	36849	2954	5756	873	673	27	23136	381
1988	36849	2913	5196	1197	604	28	22703	452
BW	6121	592	79	117	80	2	6576	77
BA	6456	403	882	826	336	—	1751	375
HE	3843	320	302	110	16	3	1128	—
NS	3702	564	2138	—	27	—	2763	—
NW	9086	302	891	—	14	2	6520	—
RP	1971	34	434	93	57	3	1246	—
SA	745	55	128	27	29	15	419	—
SH	1606	69	131	—	15	3	640	—
BE	1257	276	45	—	—	—	450	—
BR	739	69	69	1	8	—	352	—
HA	1323	229	97	23	22	—	858	—
	Pupils per Teacher							
1983	52.1	12.0	13.7	37.1	14.9	39.5	15.1	13.6
1984	51.7	11.5	13.5	36.2	14.7	46.1	14.5	12.4
1985	51.0	10.6	12.6	32.8	13.8	37.8	14.3	11.9
1986	48.7	9.3	11.6	33.3	13.3	36.7	13.8	12.7
1987	48.1	8.6	10.2	32.3	13.2	29.7	13.0	12.2
1988	45.4	8.5	9.6	31.1	13.1	27.8	12.6	12.5
BW	42.3	8.9	5.2	32.9	15.2	15.5	11.8	16.6
BA	45.2	6.9	9.1	30.8	12.3	—	9.8	11.7
HE	38.6	9.7	13.7	27.7	24.3	16.7	14.3	—
NS	57.4	7.2	8.8	—	15.1	—	13.6	—
NW	49.5	10.0	10.3	—	10.7	6.0	13.3	—
RP	48.0	8.3	9.6	42.3	13.5	61.3	12.8	—
SA	37.3	7.3	11.3	23.6	8.8	22.5	12.8	—
SH	49.5	10.6	11.8	—	20.3	55.0	16.1	—
BE	30.7	8.5	9.6	—	—	—	8.9	—
BR	36.9	10.0	11.6	16.0	10.0	—	12.6	—
HA	34.7	9.3	11.1	11.0	11.0	—	11.3	—

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

²⁾ Not including schools for nurses, midwives etc.

Source: MKK

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

Year Land	Secondary Level II							
	Fachoberschulen	Specia- lized Gram- mar Schools	Trade and Technical Schools	Specia- lized/ 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
—	—	2530	1458	79	—	—	—	EW
1195	424	—	1292	63	928	—	—	BA
524	—	666	481	49	—	—	—	HE
476	37	931	770	58	—	—	—	NS
1017	264	—	804	280	—	1107	995	NW
210	21	196	281	68	—	—	—	RP
152	11	—	143	32	—	—	—	SA
68	4	351	324	3	11	—	—	SH
163	10	149	232	34	—	—	—	BE
139	6	—	64	3	—	—	—	BR
160	15	258	284	16	—	—	—	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
—	—	12.1	11.9	27.1	—	—	—	BW
10.3	24.0	—	12.2	29.5	7.8	—	—	BA
17.4	—	12.8	15.5	37.8	—	—	—	HE
15.8	43.5	12.8	12.4	27.9	—	—	—	NS
13.8	35.3	—	14.8	43.3	—	11.4	42.9	NW
16.7	38.6	12.1	16.2	42.6	—	—	—	RP
15.6	42.4	—	12.2	46.9	—	—	—	SA
20.0	16.8	15.2	14.5	67.3	63.0	—	—	SH
12.6	17.8	8.1	9.9	30.9	—	—	—	BE
11.1	25.8	—	9.5	43.3	—	—	—	BR
13.0	33.8	11.0	10.5	25.1	—	—	—	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 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.

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Apprentices according to Training Sector and Laender (Thousands)

Year Land	Apprentices								New Train-	
	Total	of which in the Training Sector						In Percent of the Po-	tracts in	
		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⁾	ulation aged 16 to under 19	Percent of the Popula- tion aged 16 to under 17
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	85.5
1987	1738.7	866.0	617.8	44.6	71.7	125.1	12.8	0.8	69.3	84.7
1988	1658.0	827.2	577.9	38.5	67.3	133.6	12.9	0.6	72.6	88.3
Laender 1988										
BW	251.1	137.8	75.9	6.0	10.1	19.4	1.9	—	70.0	85.1
BA	301.4	143.3	118.0	7.3	7.8	23.4	1.6	—	73.4	86.0
HE	140.8	72.3	46.2	2.6	8.2	10.6	1.0	—	70.3	85.4
NS	203.9	84.3	80.5	6.8	12.1	18.1	1.8	0.3	69.8	87.2
NW	461.6	241.2	153.9	8.1	17.1	37.3	4.0	0.0	74.2	90.6
RP	95.1	44.1	36.0	2.6	3.5	7.8	1.2	—	69.9	85.3
SA	27.6	14.0	9.7	0.5	0.8	2.3	0.3	—	75.8	95.6
SH	71.7	32.4	25.9	3.1	3.3	6.3	0.6	0.1	70.5	85.0
BE	37.7	18.5	13.2	0.6	1.9	3.4	0.1	—	65.7	82.2
BR	23.6	13.9	6.6	0.2	0.7	1.9	0.2	0.0	105.1	128.9
HA	43.5	25.7	11.9	0.8	2.0	2.9	0.1	0.2	92.8	120.1

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⁾ Firms	Surge- ries, Soli- citor's ets. 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	59.9
1988	713.8	363.6	163.6	12.9	32.5	128.7	12.6	0.02	64.0
Länder 1988									
BW	110.7	60.2	22.7	2.0	4.9	19.0	1.9	—	63.0
BA	130.3	66.3	33.9	2.6	3.3	22.7	1.5	—	64.9
HE	60.4	31.6	12.1	0.9	4.5	10.2	1.0	0.0	62.1
NS	88.1	39.2	21.5	2.1	6.0	17.5	1.8	—	61.5
NW	196.3	100.9	44.8	2.8	8.2	35.7	4.0	—	64.8
RP	40.0	19.6	9.7	0.7	1.3	7.6	1.1	—	60.4
SA	11.9	5.7	3.1	0.2	0.3	2.2	0.3	—	67.4
SH	31.7	15.8	6.7	0.9	1.7	6.0	0.6	—	64.4
BE	15.3	7.1	3.6	0.2	1.0	3.2	0.1	—	55.1
BR	10.2	5.7	2.2	0.1	0.3	1.8	0.2	0.0	93.3
HA	18.9	11.4	3.3	0.3	1.0	2.7	0.1	0.0	81.9

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

Vocational Education and Training

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	Per Cent	Thousands				
Industry and Commerce							
1986	882.2	48.9	265.0	319.0	261.4	36.8	363.8
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
Crafts							
1986	657.8	36.4	186.1	213.1	220.9	37.6	225.9
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
Agriculture							
1986	50.2	2.8	9.0	20.3	20.9	0.1	20.6
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
Public Sector							
1986	73.1	4.1	20.9	27.2	25.0	0.01	26.5
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
Solicitor's Firms Surgeries, etc.							
1986	129.9	7.2	50.0	53.6	26.2	0.1	54.2
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
Households							
1986	11.0	0.6	2.8	4.4	3.8	0.1	5.0
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
Maritime Shipping							
1986	1.1	0.1	0.4	0.4	0.3	0.02	0.4
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
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

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

Vocational Education and Training

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

Recognized Occupation	Training Sector	Apprentices					
		1988	1980	1988	1980	1988	1980
		Rank		Number		Per Cent	
Total Number of Apprentices							
Motor-vehicle Mechanic	Cr	1	1	75115	94055	4.5	5.5
Salesman in Retail Trade ¹⁾³⁾⁴⁾	IC	2	10	66331	44301	4.0	2.6
Industrial Clerk ³⁾	IC	3	4	65658	57985	3.9	3.4
Hairdresser	Cr	4	3	61922	71129	3.7	4.1
Office Clerk	IC	5	6	59391	51052	3.5	3.0
Bank Clerk	IC	6	8	55251	45750	3.3	2.7
Clerk in Whole sale and Foreign Trade ³⁾	IC	7	7	50193	50335	3.0	2.9
Electrical Fitter	Cr	8	5	46877	57623	2.8	3.4
Salesman in the Food Trade	Cr	9	11	45597	44011	2.7	2.6
Salesman ³⁾⁵⁾	IC	10	2	44210	92239	2.6	5.4
Doctor's Receptionist	P	11	15	44006	35685	2.6	2.1
Machine Fitter ⁶⁾	IC	12	9	40620	45735	2.4	2.7
Joiner	Cr	13	12	31947	44006	1.9	2.6
Painter and Varnisher	Cr	14	13	31768	40321	1.9	2.4
Dentist's Receptionist	P	15	18	30508	25411	1.8	1.5
Plant Fitter ³⁾⁷⁾	IC	16	21	28063	21678	1.7	1.3
Cook	IC	17	23	25935	21607	1.5	1.3
Gas and Water Fitter	Cr	18	16	25740	34611	1.5	2.0
Baker	Cr	19	17	25514	27803	1.5	1.6
Electronics Technician, Power Systems ⁸⁾	IC	20	33	25278	13091	1.5	0.8
Assistant in Business and Tax Consultancy	P	21	24	23303	20785	1.4	1.2
Fitter	Cr	22	21	21993	22379	1.3	1.3
Hotel Specialist	IC	23	14	20811	2830	1.2	0.2
Office Clerk	Cr	24	29	18447	15206	1.1	0.9
Gardener	AG	25	28	18353	16710	1.1	1.0
rank groups							
rank		1-5		328417	373031	19.8	21.7
rank		6-10		242128	237173	14.6	13.8
rank		11-15		178849	166853	10.8	9.7
rank		16-20		130530	131882	7.9	7.7
rank		21-25		102907	91515	6.2	5.3
rank		1-10		570545	610204	34.4	35.5
rank		1-15		749394	777057	45.2	45.2
rank		1-20		879924	908939	53.1	52.9
rank		1-25		982831	1000454	59.3	58.2
rank		1-30		1657960	1715481	100.0	100.0

¹⁾ Including Retail Salesman. — 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

Vocational Education and Training

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

Recognized Occupation	Training Sector	Apprentices					
		1988	1980	1988	1980	1988	1980
		Rank	Number	Per Cent			
Male Apprentices							
Motor-vehicle Mechanic	Cr	1	1	74296	93526	7.8	8.8
Electrical Fitter	Cr	2	2	46379	57363	4.9	5.4
Machine Fitter ⁶⁾	IC	3	3	39941	45432	4.2	4.3
Joiner	Cr	4	4	29010	42398	3.0	4.0
Painter and Varnisher	Cr	5	6	28898	38130	3.0	3.6
Clerk in Wholesale and Foreign Trade ³⁾	IC	6	8	28269	29495	2.9	2.8
Plant Fitter ³⁾⁷⁾	IC	7	14	27610	21562	2.9	2.0
Bank Clerk	IC	8	15	26255	21320	2.7	2.0
Gas- and Water Fitter	Cr	9	7	25578	34468	2.7	3.3
Electronics Technician, Power Systems ⁸⁾	IC	10	24	24764	13035	2.4	1.2
Industrial Clerk ³⁾	IC	11	13	24489	21995	2.5	2.1
Retail Salesman (Stage 2)	IC	12	19	23168	17297	2.4	1.6
Fitter	IC	13	12	21780	22297	2.3	2.1
Baker	Cr	14	9	21185	26085	2.2	2.5
Cook	IC	15	18	18640	17829	1.9	1.7
Tool-maker	IC	16	10	17325	22779	1.8	2.1
Bricklayer ¹⁰⁾	Cr	17	5	14789	39121	1.5	3.7
Communications Electronics Technician, Telecommunications Technology	PS	18	29	14686	11259	1.5	1.1
Butcher	Cr	19	11	14222	22352	1.5	2.1
Central Heating and Ventilation Fitter	Cr	20	16	14021	18824	1.4	1.8
Office Clerk	IC	21	30	11540	9340	1.2	0.9
Gardener	AG	22	26	11128	11598	1.1	1.1
Radio and TV Engineer	Cr	23	27	9651	11365	1.0	1.0
Mechanic	IC	24	23	9124	13342	0.9	1.3
Agricultural Worker	AG	25	17	9096	18774	0.9	1.8
rank groups							
rank		1-5	218524	277840	23.1	26.2	
rank		6-10	132416	150957	14.0	14.2	
rank		11-15	109262	109526	11.6	10.3	
rank		16-20	75043	89921	7.9	8.5	
rank		21-25	50539	58574	5.3	5.5	
rank		1-10	350940	428797	37.2	40.4	
rank		1-15	460202	538323	48.7	50.7	
rank		1-20	535245	628244	56.7	59.2	
rank		1-25	585784	686818	62.0	64.7	
rank		1-3)	944147	1060472	100.0	100.0	

¹⁰⁾ Including apprentices in industry and commerce with the appropriate qualifications

¹¹⁾ Telecommunications technology branch; including telecommunications craftsman

Vocational Education and Training

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

Recognized Occupation	Training Sector	Apprentices					
		1988	1980	1988	1980	1988	1980
		Rank	Number	Per Cent			
Female Apprentices							
Hairdresser	Cr	1	1	57989	67690	8.1	10.3
Office Clerk	IC	2	4	47851	41712	6.7	6.4
Salesgirl in the Food Trade	Cr	3	3	45072	43690	6.3	6.7
Doctor's Receptionist	P	4	6	43947	35662	6.2	5.4
Retail Saleswoman ¹⁾³⁾⁴⁾	IC	5	7	43166	27004	6.0	4.1
Industrial Clerk	IH	6	5	41169	35990	5.8	5.5
Salesgirl ³⁾⁵⁾	IC	7	1	35193	75039	4.9	11.5
Dentist's Receptionist	P	8	8	30488	25403	4.3	3.9
Bank Clerk	IC	9	9	28966	24430	4.1	3.7
Clerk in Wholesale and Foreign Trade ³⁾	IC	10	10	21924	20840	3.1	3.2
Assistant in Business and Tax Consultancy	P	11	12	19074	16705	2.7	2.6
Hotel Specialist	IC	12	40	18830	2682	2.6	0.4
Office Girl ³⁾	IC	13	11	17713	19183	2.5	2.9
Office Clerk	Cr	14	15	14526	11547	2.0	1.8
Solicitor's Clerk	P	15	16	13096	10402	1.8	1.6
Home Economics Staff	AG/HO	16	14	12898	12119	1.8	1.9
Clerk in Public Administration	PS	17	20	12420	8276	1.7	1.3
Solicitor's or Notary's Clerk	P	18	13	12229	12601	1.7	1.9
Florist	IC	19	21	9435	8078	1.3	1.2
Technical Draughtswoman ³⁾	IH	20	22	8612	7654	1.2	1.2
Pharmacist's Assistant	P	21	17	7566	9509	1.1	1.5
Cook	IC	22	31	7295	3778	1.0	0.6
Gardener	AG	23	24	7225	5112	1.0	0.8
Construction Draftswoman ⁴⁾	IC	24	23	5942	7366	0.8	1.1
Ladies' Tailoress	Cr	25	25	5813	4628	0.8	0.7
rank groups							
rank		1-5	238025	264121	33.1	40.3	
rank		6-10	157740	133339	22.0	20.4	
rank		11-15	83239	72155	11.6	11.0	
rank		16-20	55594	45535	7.7	7.0	
rank		21-25	33841	23854	4.7	3.6	
rank		1-10	395765	397460	55.4	60.7	
rank		1-15	479004	469615	67.1	71.7	
rank		1-20	534598	515150	74.8	78.7	
rank		1-25	568439	539004	79.6	82.3	
rank		1-3)	713813	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	with Shortened Training Period			Training Places ²⁾
Federal Republic						
1975	462.0	•	•	18.2	23.5	480.2
1976	495.8	432.6	66.2	18.1	27.7	513.9
1977	558.4	469.1	89.3	25.5	27.0	583.9
1978	601.7	503.3	96.1	22.3	23.8	624.0
1979	640.3	531.1	109.1	36.9	19.7	677.2
1980	650.0	528.3	121.7	44.6	17.3	694.6
1981	605.6	479.4	126.2	37.3	22.1	643.0
1982	631.4	496.2	135.2	20.0	34.2	651.4
1983	676.7	532.5	144.2	19.6	47.4	696.4
1984	705.6	557.9	147.7	21.1	58.4	726.7
1985	697.1	546.8	150.3	22.0	58.9	719.1
1986	684.7	543.3	141.4	31.2	46.3	715.9
1987	645.7	512.1	133.6	44.5	33.9	690.2
1988	604.0	484.3	119.7	62.0	24.8	666.0
Laender 1988						
BW	93.3	74.2	19.1	14.4	2.0	107.7
BA	106.4	84.3	22.2	23.3	2.3	129.7
HE	52.4	43.8	8.6	4.9	1.6	57.3
NS	73.2	50.3	24.0	3.2	4.5	76.4
NW	168.2	143.6	24.6	9.0	10.2	177.2
RP	34.8	26.7	8.1	3.8	1.3	38.6
SA	9.5	6.3	3.1	0.7	0.5	10.2
SH	25.8	21.9	3.9	1.4	0.4	27.2
BE	14.2	13.1	1.1	0.8	0.7	15.0
BR	9.9	8.6	1.3	0.1	0.6	10.0
HA	16.4	12.5	3.8	0.2	0.7	16.6

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	Crafts ²⁾	Agri- culture	the Public Sector	Surge- rior's Firms etc.	House- holds ³⁾
Without Secondary General School Certificate								
	1985	1.6	0.7	2.1	3.8	1.7	0.1	0.2
	1986	1.5	0.6	1.9	3.9	1.7	0.1	0.1
	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
Secondary General School Certificate								
	1985	31.0	21.9	39.4	51.7	32.2	11.4	10.0
	1986	29.9	20.9	38.3	52.5	27.0	11.0	10.2
	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
Intermediate School Certificate or Equivalent								
	1985	36.1	34.9	39.3	20.7	25.8	55.1	62.1
	1986	36.1	34.4	40.3	20.1	25.4	54.5	60.9
	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
University and Fachhochschule Entrance Qualification								
	1985	14.1	23.0	6.6	5.3	15.2	14.2	16.3
	1986	15.1	25.0	6.8	5.2	14.3	15.6	17.1
	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
Basic Vocational Training Year								
	1985	5.8	2.6	5.5	9.5	20.1	13.1	0.5
	1986	5.8	2.7	5.6	9.0	25.9	11.3	0.6
	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
Vocational School								
	1985	10.8	16.6	6.2	7.5	4.7	6.0	10.6
	1986	10.8	16.1	6.1	7.6	5.4	7.6	10.8
	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
Pre-vocational Training Year								
	1985	0.7	0.3	1.0	1.4	0.2	0.1	0.3
	1986	0.7	0.3	1.0	1.7	0.4	0.0	0.2
	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
Total Number								
	1985	1313794	508495	352726	230651	48549	71817	91466
	1986	1311863	514089	354366	219964	48032	71859	94238
	1987	1284886	507483	346426	205044	43315	71108	99716
	1988	1230441	486994	327056	194936	37003	66950	105450
Education Background not stated⁴⁾								
	1985	4.8	1.5	1.5	2.5	9.1	1.1	30.4
	1986	4.4	1.6	1.5	3.1	4.4	1.7	27.4
	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
Grand Total								
	1985	1379904	516397	358217	236684	53396	72620	131458
	1986	1372759	522477	359708	225941	50247	73130	129871
	1987	1331620	514352	351611	211552	44553	71675	125055
	1988	1280657	494086	333127	200980	38515	67310	133570

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
Laender 1988								
BW	105.6	99.8	61.0	58.1	31.9	29.3	3.0	2.9
BA	133.4	119.4	70.4	63.8	46.5	40.2	4.6	4.3
HE	60.6	53.9	34.7	31.4	16.6	13.9	1.6	1.5
NS	92.7	81.8	46.9	41.9	30.1	25.4	4.5	4.1
NW	194.7	171.7	112.0	101.4	56.6	47.1	4.9	4.2
RP	40.6	36.7	21.8	20.2	13.2	11.2	1.4	1.3
SA	12.8	11.0	7.1	6.4	4.2	3.3	0.3	0.2
SH	31.9	28.1	16.4	14.4	10.2	8.6	1.5	1.4
BE	17.0	13.9	10.0	8.5	4.5	3.3	0.2	0.2
BR	10.7	9.1	7.0	6.0	2.4	1.9	0.1	0.1
HA	19.4	17.7	11.5	10.7	5.4	4.6	0.3	0.3

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		Households	
	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
Laender 1988								
BW	4.0	3.9	4.7	4.6	1.0	1.0	—	—
BA	3.3	3.1	6.3	5.8	2.3	2.3	—	—
HE	3.6	3.5	3.0	2.7	1.0	0.8	—	—
NS	5.0	4.7	4.7	4.4	1.4	1.2	0.1	0.1
NW	8.3	7.7	10.0	8.8	3.0	2.5	—	—
RP	1.5	1.5	2.0	1.9	0.8	0.7	—	—
SA	0.4	0.4	0.6	0.6	0.3	0.2	—	—
SH	1.3	1.3	1.7	1.6	0.7	0.6	0.1	0.1
BE	0.8	0.9	1.5	1.1	0.1	0.1	—	—
BR	0.4	0.4	0.6	0.5	0.1	0.1	0.1	0.1
HA	0.6	0.6	1.4	1.4	0.1	0.1	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)							
	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

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

Laender 1988

BW	45.8	43.6	28.9	27.4	8.5	8.0	0.9	0.9
BA	58.2	52.9	34.8	31.1	12.2	11.3	1.5	1.5
HE	26.2	23.4	15.7	13.8	4.1	3.7	0.5	0.5
NS	40.7	36.1	23.9	20.8	7.1	6.2	1.4	1.3
NW	83.3	73.5	49.6	43.9	16.0	13.9	1.6	1.4
RP	17.2	15.7	10.4	9.5	3.3	2.9	0.3	0.3
SA	5.3	4.6	3.0	2.7	1.2	1.0	0.1	0.1
SH	13.8	12.2	8.0	6.8	2.4	2.1	0.5	0.4
BE	7.1	5.8	4.1	3.5	1.1	0.8	0.1	0.1
BR	4.6	3.8	2.9	2.3	0.8	0.6	0.0	0.0
HA	8.5	7.9	5.4	5.0	1.2	1.1	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)							
	Total		of which in Training Sector					
			Public Sector		Surgeries, Solicitor's Firms etc.		House holds	
	Total	Pas- sed	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

Laender 1988

BW	2.0	1.9	4.5	4.4	1.0	1.0	—	—	BW
BA	1.4	1.3	6.0	5.5	2.3	2.2	—	—	BA
HE	2.1	2.0	2.8	2.6	1.0	0.8	—	—	HE
NS	2.5	2.4	4.4	4.2	1.4	1.2	0.00	0.00	NS
NW	3.8	3.6	9.3	8.2	3.0	2.5	—	—	NW
RP	0.5	0.5	1.9	1.8	0.7	0.7	—	—	RP
SA	0.2	0.2	0.6	0.5	0.3	0.2	—	—	SA
SH	0.7	0.7	1.6	1.5	0.7	0.6	—	—	SH
BE	0.5	0.4	1.3	1.0	0.1	0.1	—	—	BE
BR	0.2	0.2	0.6	0.5	0.1	0.1	—	—	BR
HA	0.3	0.3	1.4	1.3	0.1	0.1	—	—	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 24-25).

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

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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	Fachhochschulen	Colleges of Public Administration
BW	1975	56	—	9	10	—	7	28	2
	1988	60	—	9	6	1	7	31	6
BA	1975	28	4	7	—	2	5	10	—
	1988	32	—	11	—	3	5	12	1
HE	1975	22	1	4	—	4	3	10	—
	1988	24	1	4	—	3	3	9	4
NS	1975	21	—	8	1	—	2	10	—
	1988	24	—	10	—	—	2	11	1
NW	1975	39	6	9	3	3	4	11	—
	1988	48	—	6	—	6	6	16	4
RP	1975	8	—	3	1	1	—	3	—
	1988	14	—	6	—	2	—	3	3
SA	1975	5	—	1	1	—	1	2	—
	1988	5	—	1	—	—	1	2	1
SH	1975	9	—	2	2	—	1	4	—
	1988	12	—	3	2	—	1	5	1
BE	1975	11	—	2	1	1	1	5	1
	1988	10	—	2	—	1	1	5	1
BR	1975	7	—	1	—	—	—	6	—
	1988	5	—	1	—	—	1	2	1
HA	1975	7	—	3	—	—	2	2	—
	1988	9	—	4	—	—	2	2	1
BG	1975	213	11	49	19	11	26	94	3
	1980	229	9	55	13	11	26	95	20
	1981	234	9	55	13	12	26	96	23
	1982	234	9	56	13	11	26	94	24
	1983	238	9	57	13	15	26	94	24
	1984	238	9	58	13	15	26	95	24
	1985	241	8	59	11	15	26	98	24
	1986	242	7	61	10	16	28	99	24
	1987	244	7	61	9	16	28	99	24
	1988	243	1	67	8	16	29	98	24

Sequence of Institutions according to Student Number

Institutions of Higher Education	Students in Year ¹⁾					
Sequence according to Student Number in 1988	1975	1980	1988	1975	1980	1988
	Thousands			Per Cent		
Universities and Colleges of Art and Music						
1- 5	147.4 ¹	196.6	258.0	21.2	23.3	22.9
1- 10	258.5	335.4	427.2	37.2	39.8	37.9
1- 15	349.0	442.0	563.1	50.2	52.5	49.9
1- 20	422.6	526.2	677.1	60.8	62.5	60.0
1- 25	483.7	594.9	770.4	69.5	70.6	68.3
1- 30	533.9	656.1	851.1	76.8	77.9	75.5
1- 35	566.4	706.3	919.2	81.4	83.9	81.5
1- 40	594.7	741.8	976.6	85.5	88.1	86.6
1- 45	616.0	764.4	1020.2	88.6	90.8	90.5
1- 50	632.6	781.7	1052.3	91.0	92.8	93.3
1- 75	678.9	826.3	1109.0	97.6	98.1	98.4
1-100	692.9	839.7	1124.1	99.6	99.7	99.7
Total ²⁾	695.5	842.2	1127.6	100.0	100.0	100.0
Fachhochschulen (not incl. Colleges of Public Administration)						
1- 5	32.7	41.7	73.5	23.0	23.8	24.0
1- 10	54.3	67.5	117.3	38.1	38.6	38.3
1- 15	70.8	86.7	154.8	49.7	49.6	50.6
1- 20	84.3	101.2	183.3	59.2	57.8	59.9
1- 25	94.3	114.7	204.2	66.3	65.2	66.7
1- 30	102.4	124.8	221.4	72.0	71.3	72.3
1- 35	109.1	133.4	236.5	76.7	76.3	77.2
1- 40	115.1	140.6	249.5	80.9	80.3	81.5
1- 45	120.5	146.9	260.9	84.6	83.9	85.2
1- 50	124.9	152.0	271.0	87.8	86.9	88.5
1- 75	137.9	169.0	298.3	96.9	96.6	97.4
Total ³⁾	142.3	175.0	306.2	100.0	100.0	100.0

¹⁾ Winter semester

²⁾ 1975 = 116, 1980 = 114, 1988 = 121 institutions of higher education

³⁾ 1975 = 94, 1980 = 95, 1988 = 98 Fachhochschulen

New Entrants according to Type of Institution of Higher Education

Year ¹⁾	New 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	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	27.4	169.8	3.0	73.4	11.6
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

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					
	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	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
German						
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

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	Fachhochsschulen	
	Total	of which Colleges of Public Adminis- tration				
	Thousands	Per Cent ²⁾	Thousands			
German and Foreign						
1960	21.4	4.4	20.4	1.0	•	—
1965	25.4	8.1	24.4	1.0	•	—
1970	36.2	9.1	34.9	1.3	•	—
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
German						
1960	20.6	4.4	19.7	0.9	•	—
1965	24.3	8.4	23.5	0.8	•	—
1970	34.6	9.4	33.6	1.1	•	—
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

¹⁾ Summer and following winter semester

²⁾ 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	69.7	2.1	66.6	3.2	•	—
1965	96.0	3.4	92.6	3.4	•	—
1970	130.5	5.1	126.5	4.0	•	—
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
German						
1960	67.4	2.1	64.5	2.9	•	—
1965	92.2	3.5	89.3	2.9	•	—
1970	124.8	5.3	121.4	3.4	•	—
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

¹⁾ Winter semester

²⁾ In per cent of the population aged 19 to under 26

4 Higher Education

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⁾)

1988	290	217	73	247	173	74
1989	275	203	72	229-254	158-175	71-78
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

4 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 trends¹⁾)

1988	1470	1127	344	141 ²⁾	86	54
1989	1461-1494	1134-1152	335-352	155	96	59
1990	1507-1555	1165-1198	342-357	131 ³⁾	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 ⁴⁾ -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⁾ 1987

³⁾ The decrease is the result of the smaller numbers of new entrants in 1984 and 1985

⁴⁾ 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⁾)

1988	1470	1127	344	1412 ²⁾	86	54
1989	1463–1488	1134–1152	329–336	155	96	59
1990	1500–1547	1165–1198	335–350	130 ³⁾	79	50
1991	1458–1525	1164–1210	294–315	195	103	91 ⁴⁾
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	1083–1200	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⁾ 1987

³⁾ The decrease is the result of the smaller number of new entrants in 1984 and 1985

⁴⁾ 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⁾)

1988	1470	1127	344	1412 ²⁾	86	54
1989	1469–1494	1134–1152	335–342	155	96	59
1990	1507–1554	1165–1198	341–357	130 ³⁾	79	50
1991	1507–1575	1171–1217	336–358	195	103	91 ⁴⁾
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⁾ 1987

³⁾ The decrease is the result of the smaller number of new entrants in 1984 and 1985

⁴⁾ 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

Higher Education

4

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

Year ¹⁾		New Entrants (German and Foreign)			
		Total	of which		
			Lang- guages Arts, Sports	Econ- omics, Social Sciences	Mathe- matics, Science
Universities and Colleges of Art and Music					
1975	Total	122751	39658	24853	25992
	Female	50495	23560	7659	9462
1980	Total	138696 ²⁾	40960	33251	26137
	Female	60204 ²⁾	25842	11903	10310
1985	Total	144228 ²⁾	37804	36022	29922
	Female	62694 ²⁾	25157	14093	10714
1987	Total	158384 ²⁾	39817	43725	31627
	Female	69284 ²⁾	26718	17481	11377
1988	Total	172843 ²⁾	42470	49880	34916
	Female	75520 ²⁾	28817	19905	12681
Fachhochschulen					
1975	Total	43819	925	15150	999
	Female	10545	613	6161	223
1980	Total	56307 ²⁾	749	26616	1691
	Female	17912 ²⁾	553	12083	464
1985	Total	63439 ²⁾	942	25772	3024
	Female	19787 ²⁾	729	12553	677
1987	Total	71320 ²⁾	1131	30223	3695
	Female	23159 ²⁾	921	15058	1002
1988	Total	73406 ²⁾	1040	29425	4340
	Female	22690 ²⁾	822	14381	1107
All Institutions of Higher Education					
1975	Total	166570	40583	40003	26991
	Female	61040	24173	13820	9685
1980	Total	195003 ²⁾	41709	59867	27828
	Female	78116 ²⁾	26395	23986	10774
1985	Total	207675 ²⁾	38746	61794	32946
	Female	82481 ²⁾	25886	26646	11391
1987	Total	229704 ²⁾	40948	73948	35322
	Female	92443 ²⁾	27639	32539	12379
1988	Total	246249 ²⁾	43510	79305	39256
	Female	98210 ²⁾	29639	34286	13788

¹⁾ Summer and following winter semester

²⁾ Including those for whom no data are available

Higher Education

4

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

New Entrants (German and Foreign)						Year ¹⁾
Engineering	Human Medicine		Veterinary Medicine	Agriculture, Forestry, Food	Art	
	Total	of which Dentistry				
Universities and Colleges of Art and Music						
15237	5225	754	621	3033	8132	1975
1160	1848	175	195	1670	4941	
15774	10076	1216	899	4265	7134	1980
1501	3998	327	459	2053	4040	
19634	8908	1318	728	4097	6939	1985
2023	3906	210	430	2021	4240	
21389	10456	1427	743	3725	6746	1987
2502	4586	506	477	1816	4226	
23036	10778	1550	758	3684	7146	1988
2600	4655	605	513	1804	4445	
Fachhochschulen						
23110	—	—	—	1625	2010	1975
1939	—	—	—	529	1080	
23109	—	—	—	1926	2216	1980
2763	—	—	—	773	1276	
29425	—	—	—	2290	1986	1985
3658	—	—	—	1044	1126	
31703	—	—	—	2422	2146	1987
3827	—	—	—	1073	1278	
34264	—	—	—	2522	1769	1988
4231	—	—	—	1119	999	
All Institutions of Higher Education						
38347	5225	754	621	4658	10142	1975
3099	1848	175	195	2199	6021	
38883	10076	1216	899	6191	9350	1980
4264	3998	327	459	2826	5316	
49059	8908	1318	728	6387	8925	1985
5681	3906	210	430	3065	5366	
53092	10456	1427	743	6147	8892	1987
6329	4586	506	477	2889	5504	
57300	10778	1550	758	6206	8915	1988
6831	4655	605	513	2923	5444	

4 Higher Education

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⁾	New Entrants (German and Foreign)				
	Total	of which			
		Langu- ages, Arts, Sports	Econ- omics, Social Sciences	Mathe- matics, Science	
New Entrants aiming at a Teaching Qualification					
	Number				
1975	Total	40404	24699	1579	9288
	Female	23773	15408	672	4596
1980	Total	28909 ²⁾	17683	1697	6177
	Female	18763 ²⁾	12063	880	3694
1985	Total	11462 ²⁾	6826	735	2140
	Female	7996 ²⁾	4996	416	1412
1987	Total	14899 ²⁾	9334	625	2932
	Female	10700 ²⁾	6986	356	1974
1988	Total	18790 ²⁾	11763	760	4014
	Female	13451 ²⁾	8796	483	2653
Per Cent ³⁾					
1975	Total	32.9	62.3	6.4	35.7
	Female	47.1	65.4	8.8	48.6
1980	Total	20.8	43.2	5.1	23.6
	Female	31.2	46.7	7.4	35.8
1985	Total	8.0	18.1	2.0	7.2
	Female	12.8	19.9	3.0	13.2
1987	Total	9.4	23.4	1.4	9.3
	Female	15.4	26.2	2.0	17.4
1988	Total	10.9	27.7	1.5	11.5
	Female	17.8	30.5	2.4	20.9

¹⁾ Summer and the following Winter semester

²⁾ Including those for whom no data are available

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

Higher Education

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.)

New Entrants (German and Foreign)					Year ¹⁾	
of which						
Engin- eering	Human Medicine		Veter- inary Medicine	Agri- culture, Forestry, Food	Art	
	Total	of which Dentistry				
Universities and Colleges of Art and Music						
					Number	
679	—	—	—	794	3365	1975
26	—	—	—	741	2330	
447	—	—	—	493	2400	1980
115	—	—	—	441	1561	
234	—	—	—	247	1268	1985
76	—	—	—	209	879	
332	—	—	—	190	1480	1987
139	—	—	—	176	1066	
408	—	—	—	240	1605	1988
157	—	—	—	196	1166	
Per Cent ²⁾						
4.5	—	—	—	26.2	41.4	1975
2.3	—	—	—	93.3	47.2	
2.8	—	—	—	11.6	33.6	1980
7.7	—	—	—	21.5	38.6	
1.2	—	—	—	6.0	18.3	1985
3.8	—	—	—	10.4	20.7	
1.6	—	—	—	5.1	21.9	1987
5.6	—	—	—	9.7	25.2	
1.8	—	—	—	6.5	22.5	1988
6.0	—	—	—	10.9	26.2	

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

Year ¹⁾		Students (German and Foreign)			
		Total ²⁾	of which		
			Langu- ages, Arts, Sports	Econ- omics, Social Sciences	Mathe- matics, Science
Universities and Colleges of Art and Music					
1975	Total	695548	222631	145878	136078
	Female	250060	123058	35099	44025
1980	Total	842207	256754	188252	153752
	Female	323635	145001	55681	52258
1985	Total	1036774	289441	250050	191581
	Female	419642	172166	86383	62465
1987	Total	1082164	290627	270668	203109
	Female	440468	175111	95968	65437
1988	Total	1127627	298350	288759	214395
	Female	461469	181311	103750	69366
Fachhochschulen					
1975	Total	142209	2743	49032	3277
	Female	33142	1796	19330	565
1980	Total	202003	2846	83550	6281
	Female	59563	2042	38051	1508
1985	Total	301268	4663	109584	14399
	Female	87007	3638	49908	3110
1987	Total	328625	5837	120503	17450
	Female	95827	4521	54896	3893
1988	Total	343111	5109	126557	19483
	Female	100158	3999	58162	4382
All Institutions of Higher Education					
1975	Total	840757	225374	194910	139355
	Female	283202	124854	54429	44590
1980	Total	1044210	259600	271802	160033
	Female	383198	147043	93732	53766
1985	Total	1338042	294104	359634	205980
	Female	506649	175804	136291	65575
1987	Total	1410789	296464	391171	220559
	Female	536295	179632	150864	69330
1988	Total	1470738	303459	415316	233878
	Female	561627	185310	161912	73748

¹⁾ Winter semester

²⁾ Including those for whom no data are available

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

Students (German and Foreign)							Year ¹⁾
of which							
Engin- eering	Human Medicine		Veter- inary Medicine	Agri- culture, Forestry, Food	Art		
	Total	of which Dentistry					
Universities and Colleges of Art and Music							
85017	53128	7291	3437	14481	34898		1975
5474	15270	1505	1198	7079	18857		
94830	78757	9582	5206	21688	42593		1980
7784	27314	2391	2262	9886	23267		
125143	96293	12226	6548	25226	52098		1985
13506	39487	3564	3603	11757	30052		
133313	99169	12990	6785	25353	52907		1987
15278	41791	4021	3969	11759	31016		
139280	100050	13238	6880	24812	54766		1988
16208	42672	4302	4147	11538	32308		
Fachhochschulen							
78280	—	—	—	3848	8029		1975
6202	—	—	—	1209	4040		
92025	—	—	—	6973	10328		1980
9492	—	—	—	2904	5566		
149340	—	—	—	10057	13225		1985
18190	—	—	—	4677	7484		
160013	—	—	—	10666	14156		1987
19467	—	—	—	4999	8051		
167127	—	—	—	11065	13628		1988
20611	—	—	—	5191	7722		
All Institutions of Higher Education							
163297	53128	7291	3437	18329	42927		1975
11676	15270	1505	1198	8288	22897		
186855	78757	9582	5206	28661	52921		1980
17276	27314	2391	2262	12790	28833		
274483	96293	12226	6548	35283	65323		1985
31696	39487	3564	3603	16434	37536		
293326	99169	12990	6785	36019	67063		1987
34745	41791	4021	3969	16758	39067		
306407	100050	13238	6880	35877	68394		1988
36819	42672	4302	4147	16729	40030		

Students 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 (German and Foreign)			
		Total ²⁾	of which		
			Langu- ages, Arts, Sports	Econ- omics, Social Sciences	Mathe- matics, Science
Students aiming at a Teaching Qualification					
		Number			
1975	Total	243918	144142	13486	58481
	Female	130143	85109	4315	27005
1980	Total	213977	127577	14091	47517
	Female	120501	78041	5656	23621
1985	Total	138569	87443	8342	23980
	Female	84519	56173	3983	12974
1987	Total	112604	72058	5536	18831
	Female	70370	47453	2515	10384
1988	Total	114762	73405	5459	19551
	Female	73236	49266	2621	11148
		Per Cent ³⁾			
1975	Total	35.1	64.8	9.3	43.0
	Female	52.1	69.2	12.3	61.3
1980	Total	25.4	49.8	7.5	30.9
	Female	37.2	53.8	10.2	45.2
1985	Total	13.4	30.2	3.3	12.5
	Female	20.1	32.6	4.6	20.8
1987	Total	10.4	24.8	2.1	9.3
	Female	16.0	27.1	2.6	15.9
1988	Total	10.2	24.6	1.9	9.1
	Female	15.9	27.2	2.5	16.1

¹⁾ 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

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

Students (German and Foreign)					Year ¹⁾	
of which						
Engineering	Human Medicine		Veterinary Medicine	Agriculture, Forestry, Food	Art	
	Total	of which Dentistry				
Students aiming at a Teaching Qualification						
				Number		
7094	—	—	—	3233	17482	1975
234	—	—	—	3082	10398	
5621	—	—	—	3228	15780	1980
739	—	—	—	2818	9546	
2644	—	—	—	2180	13850	1985
713	—	—	—	1846	8750	
2398	—	—	—	1807	11955	1987
746	—	—	—	1519	7742	
2597	—	—	—	1717	12009	1988
820	—	—	—	1432	7935	
				Per Cent ³⁾		
8.4	—	—	—	22.3	50.1	1975
4.3	—	—	—	43.5	55.2	
5.9	—	—	—	14.3	37.1	1980
9.5	—	—	—	27.2	41.0	
2.1	—	—	—	8.7	26.6	1985
5.3	—	—	—	15.7	29.1	
1.8	—	—	—	7.1	22.6	1987
4.9	—	—	—	12.9	25.0	
1.9	—	—	—	6.9	21.9	1988
5.1	—	—	—	12.4	24.6	

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

Year ¹⁾	Nation- ality	New German and Foreign Entrants					
		Total	Holding an Entrance Qualification Acquired (within the Federal Republic) at				
			Grammar Schools	Compre- hensive Schools	Specialized Grammar Schools	Fach- ober- schulen	Evening Grammar School, Adult Education Colleges
		Thousands	Per Cent				
Universities and Colleges of Art and Music							
1985	G	110.5	81.7	2.8	5.7	3.3	3.0
	F	9.7	21.5	1.0	2.0	1.4	0.7
1987	G	123.0	82.0	3.0	5.5	2.9	2.7
	F	10.9	23.3	1.2	2.1	1.2	0.8
1988	G	133.6	80.8	3.0	5.4	3.2	2.4
	F	12.4	23.2	1.3	2.1	1.0	0.8
Fachhochschulen							
1985	G	49.5	39.7	1.1	6.4	41.6	1.9
	F	1.7	18.2	1.1	4.2	33.9	2.4
1987	G	55.8	42.5	1.2	6.3	37.6	2.1
	F	2.2	20.9	1.0	3.1	30.2	2.7
1988	G	57.1	40.1	1.2	5.6	39.0	2.2
	F	2.3	18.3	1.2	3.5	33.9	1.9
All Institutions of Higher Education Male and Female							
1985	G	160.1	68.7	2.3	5.9	15.1	2.7
	F	11.4	21.0	1.0	2.4	6.4	0.9
1987	G	178.8	69.7	2.4	5.7	13.7	2.5
	F	13.1	22.9	1.2	2.2	6.0	1.1
1988	G	190.7	68.6	2.5	5.5	13.9	2.3
	F	14.7	22.5	1.3	2.3	6.1	1.0
Female							
1985	G	63.7	77.2	2.7	4.6	7.5	3.1
	F	4.7	21.1	1.1	1.8	2.5	0.6
1987	G	72.4	77.9	2.8	4.2	6.8	2.8
	F	5.6	22.6	1.1	1.8	2.6	0.9
1988	G	76.4	77.0	2.9	4.4	6.6	2.6
	F	6.3	21.8	1.1	1.7	2.3	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						Nation- ality	Year ¹⁾
Holding an Entrance Qualification Acquired (within the Federal Republic) at			Alto- gether	Holding an EQ ²⁾	Cases where		
Trade and Technical Sch- Full-time Vocat Schools, Specialized Academies	Tests for the Highly Gifted	other Entrance Qualifica- tion		Acquired outside the Federal Repu- blic	no data are avail- able		
Per Cent							
Universities and Colleges of Art and Music							
0.3	0.5	1.8	99.0	0.9	0.1	G	1985
0.1	0.3	4.7	31.8	64.6	3.6	F	
0.4	0.4	2.2	99.1	0.9	0.0	G	1987
0.1	0.2	4.5	33.3	62.6	4.0	F	
0.5	0.3	3.4	99.0	0.9	0.0	G	1988
0.2	0.5	4.8	33.8	62.9	3.2	F	
Fachhochschulen							
3.9	0.3	3.8	98.5	0.8	0.7	G	1985
3.5	0.5	12.2	76.0	22.2	1.8	F	
4.6	0.4	4.4	99.0	0.8	0.2	G	1987
3.4	0.3	11.0	72.5	26.6	0.9	F	
4.6	0.4	5.4	98.5	1.2	0.3	G	1988
3.4	0.1	10.5	72.7	26.2	1.1	F	
All Institutions of Higher Education Male and Female							
1.4	0.4	2.4	98.8	0.9	0.3	G	1985
0.6	0.3	5.9	38.5	58.2	3.3	F	
1.7	0.4	2.9	99.1	0.9	0.1	G	1987
0.6	0.3	5.5	39.8	56.7	3.5	F	
1.7	0.3	4.0	98.9	1.0	0.1	G	1988
0.7	0.4	5.7	39.9	57.2	2.9	F	
Female							
1.2	0.7	1.9	98.8	1.0	0.2	G	1985
0.5	0.5	4.9	32.8	64.0	3.2	F	
1.5	0.5	2.6	99.1	0.9	0.1	G	1987
0.5	0.3	4.9	34.5	62.0	3.5	F	
1.4	0.4	3.6	98.9	1.0	0.1	G	1988
0.7	0.4	4.8	33.7	63.6	2.8	F	

New German Entrants in 1988¹⁾ 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	Other schools	Evening Grammar Schools/Adult Education Colleges
	Universities and Colleges of Art							
	Male and Female							
1988	57092	42.7	44880	2021	2758	2287	1840	
1987	33557	25.1	28158	756	1878	914	787	
1986	19714	14.8	16293	646	1164	433	283	
1985	9637	7.2	8063	280	624	154	109	
1984 ²⁾	13565	10.2	10518	368	771	497	202	
Total ³⁾	133576	100.0	107917	4073	7195	4285	3221	
	Female							
1988	36545	62.7	30686	1271	1443	588	940	
1987	8314	14.3	6738	276	392	99	393	
1986	4123	7.1	3356	123	212	49	137	
1985	3692	6.3	3146	112	170	41	62	
1984 ²⁾	5652	9.7	4432	167	249	137	108	
Total ³⁾	58331	100.0	48359	1950	2466	914	1640	
	Fachhochschulen							
	Male and Female							
1988	24751	43.3	7561	179	988	11977	618	
1987	12279	21.5	4612	113	786	5383	284	
1986	7959	13.9	3867	143	612	2433	144	
1985	3871	6.8	2265	89	281	818	63	
1984 ²⁾	8168	14.3	4605	160	548	1644	116	
Total ³⁾	57130	100.0	22932	685	3217	22255	1229	
	Female							
1988	9705	53.8	5139	103	381	2835	170	
1987	2732	15.1	1797	55	121	461	81	
1986	1850	10.2	1202	30	154	257	31	
1985	1372	7.6	153	33	74	167	21	
1984 ²⁾	2340	13.0	1365	26	131	415	38	
Total ³⁾	18049	100.0	10468	248	863	4135	342	

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

New German Entrants in 1988¹⁾ 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						
218	259	2478	56741	344	7	1988
120	74	685	33372	182	3	1987
97	20	632	19568	140	6	1986
66	20	225	9541	96	—	1985
174	29	508	13067	493	5	1984 ²⁾
674	402	4528	132296	1255	25	Total ³⁾
Female						
91	153	1185	36357	183	5	1988
40	41	256	8235	78	1	1987
25	7	163	4072	45	6	1986
23	13	82	3649	43	—	1985
78	16	223	5410	239	3	1984 ²⁾
257	230	1909	57725	588	18	Total ³⁾
Fachhochschulen Male and Female						
1026	213	1869	24431	249	71	1988
509	21	435	12143	123	13	1987
397	5	277	7878	77	4	1986
198	4	94	3812	56	3	1985
503	11	395	7982	176	10	1984 ²⁾
2639	254	3070	56281	681	168	Total ³⁾
Female						
301	86	587	9602	75	28	1988
104	8	71	2698	29	5	1987
101	1	60	1836	13	1	1986
71	2	30	1351	19	2	1985
215	4	77	2271	64	5	1984 ²⁾
797	101	825	17779	200	70	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-Leavers Qualified 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			
1986	150.8	34.3	38.0	31.1				
1987	150.7	33.9	38.3					
1988	152.9	36.4						
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			
1986	135.6	41.5	16.9	8.0				
1987	134.4	45.5	16.8					
1988	132.4	46.6						

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			
1986	100.0	23.2	25.2	20.6				
1987	100.0	22.5	25.4					
1988	100.0	23.8						
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			
1986	100.0	30.6	12.5	5.9				
1987	100.0	33.9	12.5					
1988	100.0	35.2						

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-employed	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
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
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

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					
		Grammar School	Comprehensive School	Evening Schools and Colleges	Fachoberschulen	Ability Tests	Others ²⁾
	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
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
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

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
	1975	1980	1985	1988		
Europe	22730	29086	39670	45831	37018	8813
EG Member States	10784	14229	18352	20526	17446	3080
Belgium	392	476	528	576	445	131
Denmark	208	209	236	289	245	44
France	2264	2504	2518	2955	2391	564
Greece	3395	5204	6447	6184	5626	558
Great Britain ¹⁾	1034	1423	1872	2085	1703	382
Ireland	54	101	164	215	202	13
Italy	817	1142	1943	2577	2108	469
Luxembourg	654	678	946	1084	995	89
Netherlands	1327	1434	1856	2002	1613	389
Portugal	135	239	396	523	401	122
Spain	504	819	1446	2036	1717	319
Other Countries	11946	14857	21318	25305	19572	5733
Bulgaria	81	121	115	127	116	11
Finland	1048	800	684	710	658	52
Iceland	111	115	200	254	231	23
Yugoslavia	801	1128	1749	2472	1938	534
Norway	643	640	712	814	792	22
Austria	2116	2437	3662	4772	3888	884
Poland	168	414	1414	1765	1573	192
Romania	129	182	183	253	220	33
Sweden	419	393	455	460	414	46
Switzerland	1031	1088	1203	1296	1111	185
USSR	24	52	81	100	88	12
Czechoslovakia	857	624	574	595	493	102
Turkey	4208	6542	9215	10638	7087	3551
Hungary	282	296	338	388	355	33
Cyprus	—	—	685	624	574	50
Other Countries	28	25	48	37	34	3
Africa	3249	3884	4310	5184	4268	916
Egypt	811	795	696	840	799	41
Ethiopia	93	164	369	445	360	85
Algeria	298	601	355	274	199	75
Ghana	282	258	248	278	235	43
Cameroon	50	114	192	406	342	64
Morocco	143	151	201	422	335	87
Nigeria	498	424	274	226	178	48
Tunisia	241	212	384	559	491	68
Other Countries	833	1165	1591	1734	1329	405

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	1988		
America	5451	6572	7600	8160	7322	838
Argentina	158	212	257	291	265	26
Bolivia	149	160	224	247	161	86
Brazil	369	490	547	729	668	61
Chile	382	516	517	508	446	62
Canada	289	330	429	399	366	33
Columbia	203	246	314	371	315	56
Mexico	111	189	228	245	230	15
Peru	181	275	403	458	365	93
USA	3049	3531	4042	4240	3973	267
Venezuela	132	215	161	125	97	28
Other Countries	428	408	478	547	436	111
Asia	14408	17056	21667	26097	20986	5111
Afghanistan	349	548	691	684	532	152
China (Taiwan)	300	475	583	700	680	20
China	66	317	1117	2378	2313	65
India	686	655	585	604	535	69
Indonesia	3324	3185	2260	2143	1317	826
Iraq	234	233	356	385	317	68
Iran	3825	5331	7872	9511	6750	2761
Israel	379	461	662	902	852	50
Japan	1137	1256	1134	1200	1181	19
Jordan	617	711	976	974	862	112
Korea (Republic)	614	1066	2673	3557	3420	137
Lebanon	200	284	316	324	256	68
Pakistan	240	267	187	210	164	46
Syria	564	508	467	443	393	50
Thailand	267	290	238	211	176	35
Vietnam	1118	621	915	1148	634	514
Other Countries	488	848	635	723	604	119
Australia and Oceania	128	135	166	162	135	27
Australia	105	110	133	134	107	27
Other Countries	23	25	33	28	28	-
All Countries ²⁾	47298	57713	74574	86666	70766	15900

²⁾ Including cases where no data are available

Students at Foreign Universities in 1985/86 according to Country

No.	Country of Origin	Students Abroad ¹⁾									
		General EC Member States ²⁾									
		Total	Total	Federal Republic of Germany	Belgium	Denmark	France	Greece	Great Britain ³⁾	Ireland	
Europe											
1	EC Member States	132689	74554	19702	9359	716	18090	139	6800	1105	
2	Federal Republic of Germany	23114	9433	—	597	320	3705	42	1527	—	
3	Belgium	3368	2325	586	—	5	823	2	293	18	
4	Denmark	1678	663	269	23	—	192	4	105	7	
5	France	12126	5727	2654	1366	70	—	8	908	51	
6	Greece	34267	24884	6693	742	13	2905	—	2141	6	
7	Great Britain ³⁾	14739	6067	1960	237	193	2009	58	—	982	
8	Ireland	2384	1044	171	21	14	200	—	609	—	
9	Italy	17004	6979	2266	2435	25	1420	19	441	8	
10	Luxembourg	3592	3069	958	1042	—	974	2	56	5	
11	Netherlands	6642	4771	1985	1738	54	531	4	357	10	
12	Portugal	4635	3651	501	228	4	2538	—	131	2	
13	Spain	9140	5941	1659	930	18	2793	—	232	16	
Other Countries											
14	German Democratic Republic	777	249	—	2	4	51	—	13	118	
15	Finland	5100	1039	702	13	44	171	3	49	4	
16	Yugoslavia	4772	2864	2068	62	27	375	4	31	—	
17	Norway	5629	2792	808	25	663	254	—	889	23	
18	Austria	5440	4417	3960	24	20	195	5	44	2	
19	Poland	4853	2593	1554	58	36	756	—	55	—	
20	Sweden	3102	1301	493	31	269	284	2	87	5	
21	Switzerland	4207	2808	1302	106	39	460	1	222	5	
22	USSR	1669	212	92	1	4	95	3	8	—	
23	Turkey	16190	12263	10060	279	67	753	427	165	3	
Other Non-European Countries											
24	Canada	17205	2685	429	75	31	1046	48	804	59	
25	USA	20614	13750	4042	262	187	3398	252	3386	287	
26	China	53378	3160	1117	213	31	1299	2	383	7	
27	Indonesia	14156	3475	2260	99	1	327	1	257	—	
28	Iran	37054	19055	7872	300	31	4818	44	1746	8	
29	Japan	17926	2398	1134	22	17	774	4	381	3	
30	Australia	2487	727	142	5	11	80	5	389	19	

¹⁾ Only the fifty most strongly represented countries have been included.

²⁾ Not including Luxembourg

³⁾ Including Northern Ireland

Source: UNESCO

Students at Foreign Universities in 1985/86 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	2803	110	978	28030	8775	8190	4684	30105	498	3033	24805	1
1740	1271	23	208	8480	4468	3066	255	5201	203	314	4490	2
95	444	4	55	257	27	175	37	786	31	51	683	3
17	39	—	7	432	21	41	2	583	20	30	525	4
336	123	16	195	1896	115	1441	187	4503	73	641	3454	5
12222	72	3	87	5258	540	400	9	4125	2	304	3742	6
174	362	9	83	962	128	329	179	7710	81	1233	5507	7
7	22	—	—	250	13	21	196	1090	2	137	942	8
—	221	6	138	8061	2994	1744	3123	1964	49	83	1765	9
18	14	—	—	495	340	150	2	28	—	—	24	10
55	—	3	34	417	50	232	19	1454	22	75	1313	11
23	53	—	171	289	22	89	91	695	5	107	553	12
65	182	46	—	1233	57	502	584	1966	10	58	1807	13
49	12	—	—	486	21	5	—	42	7	6	17	14
28	25	—	—	3499	82	47	1	562	7	26	527	15
244	36	1	16	1279	409	129	103	629	20	36	539	16
24	92	—	14	1068	52	154	4	1769	10	67	1691	17
56	90	—	21	603	—	436	50	420	17	12	372	18
55	68	1	—	1485	236	176	258	775	19	45	675	19
41	76	—	13	374	79	140	5	1427	22	50	1335	20
520	97	1	55	362	228	—	37	1037	38	77	896	21
8	1	—	—	1022	14	11	—	435	230	3	97	22
135	374	—	—	1256	816	197	2	2671	6	86	2200	23
93	74	20	6	418	46	157	112	14102	35	—	13853	24
976	306	40	614	2203	391	516	709	4661	91	2470	—	25
38	58	—	12	479	264	118	12	49739	—	1499	40322	26
—	530	—	—	118	40	13	51	10563	—	311	8155	27
3534	64	6	632	6181	1412	301	2	11818	26	232	10793	28
—	40	—	23	385	205	58	40	15143	961	201	13304	29
32	33	3	8	134	25	32	43	1626	37	154	1299	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	
	G+F	F	G+F	F	G+F	First Degree			Following First Degree
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
Laender 1987									
BW	25884	855	10673	429	38	2971	2537	9665	234
BA	26040	676	12624	380	52	2775	2380	8209	133
HE	16118	709	7574	398	54	1469	1324	5697	208
NS	15303	403	6979	230	29	1540	1758	4997	70
NW	40388	1380	16925	631	227	3660	5763	13813	466
RP	7447	237	2939	129	61	573	507	3367	60
SA	2135	126	1116	78	27	214	250	528	31
SH	3994	135	1617	50	22	415	588	1352	60
BE	8948	620	4959	416	78	1001	641	2269	94
BR	1721	133	479	48	—	105	205	932	77
HA	6862	278	3440	124	50	674	774	1924	102

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 Leader (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	
	G+F	F	G+F	F	G+F	First Degree			Following First Degree
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
Laender 1987									
BW	9038	247	3591	160	12	747	1731	2957	40
BA	9504	210	4457	133	18	760	1688	2581	32
HE	5827	187	2867	123	20	394	790	1756	40
NS	5558	94	2462	60	14	407	1189	1486	11
NW	15270	345	5979	211	94	873	3651	4673	71
RP	2864	94	1216	48	16	166	327	1139	25
SA	780	50	410	37	7	54	156	153	6
SH	1503	30	676	17	5	111	387	324	5
BE	3464	144	1906	101	22	262	401	873	22
BR	563	44	182	11	—	17	119	245	28
HA	2581	79	1170	42	25	188	493	705	19

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

Year ¹⁾	Examinations Passed (German and Foreign Students; Persons) Total						
	Total ²⁾	of which in					
		Lan- guages, Arts, Sports	Eco- nomics, Social Science	Mathe- matics, Science	Engi- neering	Human Medicine, Veteri- nary Medicine	Art
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	10.6	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
1986	63.9	10.3	17.6	10.8	8.5	11.8	2.3
1987	69.3	11.7	18.9	11.7	8.8	13.0	2.4
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
1986	15.5	1.3	1.5	3.5	1.2	7.4	0.4
1987	16.0	1.4	1.5	3.8	1.3	7.3	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
1986	20.4	12.4	1.3	3.8	0.4	—	0.5
1987	16.7	10.5	0.9	2.9	0.4	—	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
1986	50.4	1.0	23.8	1.8	20.2	—	2.0
1987	52.8	1.0	24.0	1.9	22.3	—	1.9

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; Persons) Female						
	Total ²⁾	of which in					
		Lan- guages, Arts, Sports	Eco- nomics, Social Science	Mathe- matics, Science	Engi- neering	Human Medicine, Veteri- nary Medicine	Art
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
1986	22.2	5.7	5.5	3.5	0.7	4.6	1.0
1987	24.9	6.5	6.1	3.8	0.8	5.1	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
1986	3.9	0.4	0.2	0.7	0.03	2.4	0.10
1987	4.2	0.4	0.2	0.8	0.05	2.5	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
1986	13.0	8.3	0.6	2.2	0.11	—	0.4
1987	10.9	7.2	0.5	1.7	0.15	—	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
1986	16.9	0.8	11.4	0.41	2.6	—	0.8
1987	16.9	0.8	11.2	0.42	2.8	—	0.7

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	271361	88254	12	21593	61393	5268
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	6206	3122	1926	12	1332	347	247

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
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

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	21342	10546	31	9017	292	1239
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	292703	98800	14	30610	61685	6507

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		
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	161 ¹⁾	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	13775	13380	142	1634	11604	395	1987
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	68020	41917	4514	13199	24204	26103	1981
176260	45597	41139	4392	11698	25049	4458 ¹⁾	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	48446	46765	5840	12821	28104	1681	1987

¹⁾ From 1982 onwards, not including auxiliary student personnel

Higher Education

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
1972	Universities and Colleges of Art and Music							
	57978	13235		5132	12297	6487	15064	1637
1975	68003	13477		6725	14665	7922	17647	1962
1976	68201	13297		6923	14695	8321	17775	1786
1978	70285	13389		7371	15843	9068	17171	1815
1979	72670	13654		7798	16171	9614	17379	1905
1980	76013	13282		7796	17035	10276	18658	1894
1981	78212	14735		7876	18000	10376	19494	1914
1982	79540	14472		7956	18975	10560	19635	1775
1984	81169	14510		7822	19839	10893	20149	1952
1985	82639	14195		7835	19924	11279	20335	2006
1986	85618	14371		8175	21157	11585	21103	2108
1987	88254	14373		8362	22050	12205	21529	2143
1972	Fachhochschulen							
	7825	132		1499	292	5122	—	141
1975	8147	133		1855	462	4905	—	178
1976	8492	119		2140	482	4947	—	196
1978	8918	84		2440	470	5052	—	228
1979	8986	104		2522	469	5026	—	201
1980	9221	107		3076	439	4626	—	335
1981	9652	135		3352	447	4748	—	327
1982	10063	146		3468	541	4838	—	365
1984	10204	152		3562	553	4836	—	373
1985	10277	159		3599	576	4832	—	374
1986	10436	187		3633	592	4912	—	376
1987	10546	174		3735	715	4800	—	379
1972	All Institutions of Higher Education							
	65803	13367		6631	12589	11609	15064	1778
1975	76150	13610		8580	15127	12827	17647	2140
1976	76693	13416		9063	15177	13268	17775	1982
1978	79203	13473		9811	16313	14120	17171	2043
1979	81656	13758		10320	16640	14640	17379	2106
1980	85234	13389		10872	17474	14902	18658	2229
1981	87864	14870		11228	18447	15124	19494	2241
1982	89603	14618		11424	19516	15398	19635	2140
1984	91373	14662		11384	20392	15729	20149	2325
1985	92916	14354		11434	20500	16111	20335	2380
1986	96054	14558		11808	21749	16497	21103	2484
1987	98800	14547		12097	22765	17005	21529	2522

¹⁾ Incl. central facilities

Higher Education

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	1983	1985	1987	
Universities	a)	6.9	7.2	7.4	7.5	7.5	28.4
	b)	6.1	6.5	6.7	6.9	7.0	
	c)	5.4	5.7	5.8	6.1	6.2	
Comprehensive Universities	a)	4.4	5.5	6.0	6.5	6.8	28.3
	b)	4.1	5.1	5.3	6.2	6.3	
	c)	3.6	4.5	4.6	5.5	5.7	
of which Short Courses of Study	a)	4.3	4.1	4.7	5.0	5.0	27.0
	b)	4.3	4.0	4.6	5.0	4.9	
	c)	3.9	3.6	4.2	4.7	4.6	
Colleges of Education	a)	4.7	5.3	5.6	5.8	6.6	27.7
	b)	4.2	4.7	4.9	4.9	5.2	
	c)	3.6	3.7	4.0	3.9	4.1	
Theological Colleges	a)	6.3	6.4	7.0	6.8	6.9	27.6
	b)	5.7	5.9	6.6	6.4	6.3	
	c)	5.2	5.3	5.8	5.7	5.7	
Colleges of Art and Music	a)	5.9	6.3	6.2	6.4	6.3	26.9
	b)	5.5	6.0	6.0	6.2	6.1	
	c)	4.5	4.7	4.8	5.0	5.1	
Fachhochschulen	a)	3.8	4.2	4.5	4.6	4.7	26.7
	b)	3.7	4.1	4.5	4.5	4.6	
	c)	3.5	3.8	4.1	4.1	4.3	
Colleges of Public Administration	a)	•	•	3.1	3.2	3.2	25.7
	b)	•	•	3.1	3.1	3.1	
	c)	•	•	2.9	3.0	2.9	
Total — Male	a)	6.0	6.4	6.6	6.6	6.5	28.2
	b)	5.4	5.9	6.0	6.1	6.1	
	c)	4.8	5.1	5.3	5.4	5.5	
— Female	a)	5.0	5.8	6.0	6.1	6.2	27.1
	b)	4.6	5.4	5.5	5.7	5.9	
	c)	4.1	4.8	4.9	5.2	5.4	
— Total	a)	5.6	6.2	6.3	6.4	6.4	27.8
	b)	5.1	5.7	5.8	6.0	6.0	
	c)	4.5	5.0	5.1	5.3	5.4	

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 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. The numbers under the heading universities include students at comprehensive universities, colleges of theology and colleges of education.

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.

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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	
		with Parents	away from Home				
1. Secondary General Schools							
1981	348	1	347	183	—	100.0	150
1983	467	7	460	194	2.1	97.9	209
1985	467	—	467	206	—	100.0	214
1987	460	—	460	207	—	100.0	223
1988	402	—	402	152	—	100.0	197
2. Intermediate Schools							
1981	1558	6	1552	688	0.3	99.7	709
1983	1424	1	1423	664	—	100.0	680
1985	1107	—	1107	497	—	100.0	519
1987	863	1	862	424	0.2	99.8	399
1988	814	1	813	391	0.3	99.7	379
3. Integrated Comprehensive Schools							
1981	4612	4371	241	1229	93.7	6.3	2993
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
4. Grammar Schools							
1981	241225	227032	14193	66334	92.2	7.8	160777
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
5. Full-time Vocational Schools							
1981	355749	317666	38083	145938	91.8	8.2	194304
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
6. Fachoberschulklassen (completed vocational training not required)							
1981	26212	22639	3573	8940	84.8	15.2	15786
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
7. Total (1.-6.)							
1981	629704	571715	57989	223312	91.3	8.7	374719
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

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							
1981	2004	1231	773	1036	54.7	45.3	1058
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
9. Vocational Extension Schools							
1981	25522	18434	7088	14351	73.0	27.0	14939
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
10. Fachoberschulklassen (completed vocational training required)							
1981	48522	38486	10036	30313	81.2	18.8	23997
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
11. Total (8. bis 10.)							
1981	76048	58151	17897	45700	78.0	22.0	39994
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
12. Evening Grammar Schools							
1981	3947	673	3274	2523	16.2	83.8	1564
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	1749
1988	2790	502	2288	1452	13.6	86.4	1709
13. Full-time Adult Education Colleges							
1981	20631	5993	14638	9478	20.9	79.1	14577
1983	20146	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
14. Trade and Technical Schools							
1981	57545	33735	23810	25355	63.7	36.3	36118
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

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	
	Number			Per Cent		Number	
15. Total (12. - 14.)							
1981	82123	40401	41722	37356	49.6	50.4	53259
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
16. Advanced Trade and Technical Schools, Vocational Academies							
1981	10311	4502	5809	3154	38.2	61.8	6970
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
17. Fachhochschulen							
1981	133629	37514	96115	49205	28.9	71.1	90454
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
18. Colleges of Art and Music							
1981	5884	824	5060	1782	9.9	90.1	4420
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
19. Universities							
1981	332005	61626	270379	88305	15.9	84.1	242171
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
20. Total (16. - 19.)							
1981	481829	104466	377363	142446	20.8	79.2	344015
1983	457206	101465	355741	148497	20.1	79.9	326937
1985	410890	86315	324575	148092	19.3	80.7	290286
1987	385064	81257	303807	133850	19.3	80.2	272858
1988	371642	77228	294414	141408	18.2	81.8	259441
21. Total (7., 11., 15. and 20.)							
1981	1269758	774746	495012	448854	64.1	35.9	812014
1983	961797	501357	460440	341183	53.1	46.6	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

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		
	Thousand DM	Per Cent	DM per Month	Male	Female	Male	Female
1. Secondary General Schools							
1981	1405	—	781	141	204	1	2
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
2. Intermediate Schools							
1981	4030	0.0	474	520	1036	—	2
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
3. Integrated Comprehensive Schools							
1981	6863	—	191	2329	2257	2	18
1983	4454	—	202	1486	1433	6	12
1985	805	—	298	192	195	2	6
1987	558	—	447	78	83	1	8
1988	518	—	464	67	74	2	4
4. Grammar Schools							
1981	387974	0.0	201	124064	116168	291	565
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
5. Full-Time Vocational Schools							
1981	550844	0.0	236	142715	210844	336	1385
1983 ²⁾	431296	0.0	264	83262	146541	437	1313
1985 ²⁾	128700	0.0	405	8920	33813	316	6794
1987 ²⁾	123461	0.0	441	8046	29328	366	802
1988	121526	0.0	451	7970	27767	396	833
6. Fachoberschulklassen (completed vocational training not required)							
1981	43376	0.0	229	13651	12162	118	182
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
7. Total (1.-6.)							
1981	994492	0.0	221	283420	342671	748	2154
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

Training Assistance

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		Male	Female
				Single	Married		
	Thousand DM	Per Cent	DM per Month	Male	Female	Male	Female
8. Evening Secondary General and Intermediate Schools							
1981	5621	—	443	942	822	32	95
1983	5709	—	455	1024	901	35	79
1985	4898	—	464	827	802	21	67
1987	5574	—	492	878	800	29	54
1988	4740	—	499	805	669	19	50
9. Vocational Extension Schools							
1981	79545	0.0	444	15930	8116	619	394
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
10. Fachoberschulklassen (completed vocational training required)							
1981	131285	0.0	456	37429	8806	1165	584
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
11. Total (8.-10.)							
1981	216451	0.0	451	54301	17744	1816	1073
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
12. Evening Grammar Schools							
1981	17553	0.0	570	1535	1584	177	316
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
13. Full-time Adult Education Colleges							
1981	95909	0.0	548	11138	7457	541	666
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
14. Trade and Technical Schools							
1981	187661	0.0	433	16702	38105	908	1466
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

Training Assistance

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		Male	Female
				Single	Married		
	Thousand DM	Per Cent	DM per Month	Male	Female	Male	Female
15. Total (12.-14.)							
1981	301123	0.0	471	29375	47146	1626	2448
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
16. Advanced Trade and Technical Schools, Vocational Academies							
1981	38909	29.0	465	1762	7982	236	272
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
17. Fachhochschulen							
1981	560711	29.8	517	82123	36278	9678	3478
1983	618404	47.3	535	90427	36858	9615	3240
1985	619225	98.7	561	88565	33866	7999	2595
1987	651726	99.7	586	92391	32776	7051	2064
1988	611934	99.7	596	86277	32650	5828	1944
18. Colleges of Art and Music							
1981	26262	36.9	495	3080	2218	259	182
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
19. Universities							
1981	1413137	35.4	486	177656	121371	16462	11112
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
20. Total (16.-19.)							
1981	2039019	33.8	494	264621	167849	26635	15044
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
21. Grand Total (7., 11., 15. and 20.)							
1981	3551261	19.4	364	631739	575429	30830	20723
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

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.

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6 Continuing Education

Participants in Continuing Education Courses according to Purpose of Education and Subjects Taught

Purpose/ Subjects	In Per Cent of Population Aged 19 to under 65			
	1979	1982	1985	1988
All Continuing Vocational Education	10	12	12	18
Retraining Courses	1	1	1	1
Courses for Occupational Promotion (e.g. to the Level of Master, Technician or Business Manager)	2	2	2	3
Special Courses Offered by a Company to Train Staff for New Jobs	3	4	3	4
Courses for Adaption to New Occupational Tasks	—	—	—	8
Other Education during Employment	6	8	8	9
All Continuing General and Political Education¹⁾	16	21	18	22
Health and Health-conscious Life-styles	3	3	2	4
Insurance, Pension and Tax Law and Other Legal Matters	2	2	2	2
Domestic Science	1	0	0	1
Child Care	1	1	1	1
Personal/Family Problems	1	1	1	1
Languages	3	4	4	7
Practical Knowledge (e.g. First Aid, House and Car Repair Work etc.)	3	3	2	2
Science and Technology	2	1	2	1
Leisure Pursuits (e.g. Amateur Handicrafts, Playing an Instrument, Animal Care, Gardening and Other Hobbies)	2	3	3	2
Art, Literature, Religion, History, Geography etc.	2	2	1	3
Sports	3	4	4	4
Rights and Obligations of Citizens and Political Subjects	2	2	2	1
Other Continuing Education	3	5	5	3
Resumed Education or Training	2	4	3	3
Total Percentage¹⁾	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 in 1979, 1982, 1985 and 1988).

Continuing Education

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	●	●	●	144	2686	6761	464	12407	8592
1988	●	●	●	●	●	●	494	13119	8832
Subjects (Per Cent)									
Social Science	12.3	11.2	14.0	9.8	6.6	10.0	2.1	0.9	3.3
Current Affairs etc.	2.1	2.3	1.9	2.2	2.1	1.8	1.6	0.7	2.2
Sociology etc.									
Education and School Matters	19.4	22.6	16.1	16.9	15.4	14.5	3.6	2.4	3.9
Humanities									
Philosophy, Theology	23.0	15.3	25.4	24.4	14.4	27.5	0.5	0.3	0.7
Literature, Art	18.2	12.1	24.3	20.0	13.1	28.6	9.3	1.9	17.3
Languages	0.5	0.9	0.5	1.2	4.3	0.5	25.8	33.6	19.0
Economics and Commercial Studies	0.4	0.4	0.4	1.2	2.0	0.9	5.2	8.4	4.4
Mathematics, Natural Sciences, Engineering	1.2	1.0	1.2	1.7	1.2	1.7	6.8	6.9	7.0
Leisure Pursuits, Health, Domestic Science									
Handicrafts	9.4	13.6	6.5	7.0	8.8	4.4	16.7	13.4	12.0
Health	12.1	17.0	8.6	14.2	22.7	9.2	22.6	16.2	20.2
School Courses									
School Certificates	0.0	1.0	0.0	8.3	6.6	0.1	0.8	8.5	0.8
Other Subjects ⁴⁾	1.4	2.5	1.1	1.2	2.8	0.8	4.9	6.9	9.3

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

¹⁾ Minimum number recorded (incomplete); 1985 subjects

²⁾ 1985 subjects; not including North-Rhine Westphalia

³⁾ 1988 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					
	Institutions ¹⁾	Courses	Enrollments	Individual Events ²⁾		Staff ³⁾
				Total	Students	
	Number	Thousands	Number	Thousands	Number	
Federal Republic						
1965	5870	77837	1695,7	66000	5086,7	28100
1970	5237	109881	2227,3	60849	3736,3	41700
1971	5089	126245	2540,6	57362	3666,4	44980
1972	4775	145754	2868,2	56613	3657,7	51211
1973	4636	165857	3212,4	61180	3764,1	59253
1974	4494	181763	3458,1	60612	3834,7	65442
1975	4289	195546	3761,0	64766	3748,0	71704
1976	4264	210805	3770,5	55841	3392,2	78608
1977	5021	224831	3757,5	53307	2675,4	84815
1978	5388	253199	4144,1	60305	3227,4	99573
1979	4905	280488	4411,6	62981	3355,2	106568
1980	4817	301444	4633,0	68091	3411,7	118007
1981	4906	308380	4676,8	69517	3668,0	117768
1982	5050	303215	4551,9	67704	3278,2	118244
1983	4919	311427	4606,6	67829	3227,5	117644
1984	4834	327167	4773,5	72106	3521,2	122269
1985	4801	334993	4826,3	74364	3365,7	126947
1986	4683	360463	5184,3	73436	3424,4	134115
1987	4762	377877	5336,9	78072	3472,4	143376
1988	4910	398792	5568,0	87059	3468,9	148785
Laender 1987						
BW	1081	77348	1007,4	18532	766,2	27059
BA	1384	84299	1184,9	21213	979,1	29061
HE	439	41343	522,7	7846	383,8	14218
NS	547	52074	701,5	3954	158,9	21260
NW	562	80174	1218,3	23202	619,7	32983
RP	513	21802	297,0	5005	261,9	8406
SA	87	6224	89,9	1197	60,9	2094
SH	269	20053	280,8	3683	175,5	7910
BE	14	10196	174,8	2295	58,1	3268
BR	6	2549	39,7	75	1,6	1134
HA	8	2630	51,0	57	3,2	1392

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 1983 (1987 Sample Census)

Variables	Workforce ¹⁾					
	Total		Participants in Courses since 1983			
	Total	Female	Total	Female	Total	Male
	Thousands		Thousands		Per Cent ²⁾	
Aged						
15-20	1853	848	126	61	6,8	6,4
20-25	4110	1921	512	246	12,5	12,2
25-30	3731	1576	643	231	17,2	19,1
30-35	3356	1303	580	180	17,3	19,5
35-40	3303	1284	508	147	15,4	17,9
40-45	2968	1134	388	108	13,1	15,3
45-50	3845	1421	375	104	9,7	11,2
50-55	2995	1051	204	54	6,8	7,7
55-	3290	1120	150	33	4,6	5,4
Total	29449	11656	3486	1165	11,8	13,0
Previous General Education/Qualification						
Secondary General School Certificate	17998	6592	1251	325	6,9	8,1
Intermediate School Certificate	6670	3372	1071	451	16,1	18,8
Entrance Qualification for Higher Education Institutions	4586	1606	1160	387	25,3	25,9
Type of Continuing Vocational Education						
On-the-Job Training	1314	413	1314	413	37,7	38,9
Courses offered by Chambers	241	65	241	65	6,9	7,6
At Special Centres of Continuing Vocational Education or Retraining	1123	384	1123	384	32,2	31,8
At a Vocational School or an Institution of Higher Education	306	115	306	115	8,8	8,2
Correspondence Courses	43	13	43	13	1,2	1,3
Other	459	175	459	175	13,2	12,2
Total	3486	1165	3486	1165	100,0	100,0
Duration of Courses						
Less than 1 Month	1673	553	1673	553	48,0	48,2
1 to under 6 Months	661	205	661	205	18,9	19,6
6 to under 12 Months	248	89	248	89	7,1	6,9
1 Year to under 2 Years	222	83	222	83	6,4	6,0
2 Years and More	219	70	219	70	6,3	6,4
Still lasting at Time of Census	463	165	463	165	13,3	12,8
Total	3486	1165	3486	1165	100,0	100,0

¹⁾ 1987 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.

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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	1986	1987
Expenditure on Education as Defined by the Education Budget						
Nursery Education, Out-of-school	0.9	2.4	3.5	4.3	4.5	4.9
Youth Education	17.1	32.8	43.8	46.8	48.1	49.2
Schools						
Institutions of Higher Education	6.9	13.6	17.8	21.4	23.1	24.7
Continuing Education	0.6	1.1	2.3	3.0	3.1	3.2
Assistance Schemes	1.0	4.4	6.2	5.3	5.1	4.8
of which:						
Training Assistance ¹⁾	•	2.6	3.6	2.3	2.4	2.4
Joint Research Promotion ²⁾	1.3	2.6	3.6	4.5	4.8	5.0
Total	27.8	56.8	77.1	85.3	88.7	91.9
Other Public Expenditure on Research and Development in Specific Areas (incl. Defence)						
Total	3.7	6.2	9.2	12.5 ⁵⁾	12.7 ⁵⁾	13.5 ⁵⁾
Expenditure on Schemes of the Federal Employment Office						
Total	0.9	3.3	4.6	5.9	7.2	8.8
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	31.4 ⁶⁾	32.8 ¹⁾	34.0 ⁷⁾
Research and Development ⁴⁾	7.9	12.0	20.3	31.5 ⁵⁾	33.1 ⁵⁾	35.1 ⁵⁾
Total	14.8	22.0	35.8	62.9	65.9	69.1
Total Expenditure						
Grand Total	47.2	88.3	126.7	166.2	174.5	183.3

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	1986	1987
Expenditure on Education as Defined by the Education Budget						
Nursery Education, Out-of-school	0.13	0.24	0.24	0.23	0.23	0.24
Youth Education	2.53	3.19	2.95	2.54	2.47	2.43
Schools						
Institutions of Higher Education	1.02	1.32	1.19	1.16	1.18	1.22
Continuing Education	0.09	0.10	0.15	0.16	0.16	0.16
Assistance Schemes	0.15	0.43	0.42	0.29	0.26	0.24
of which:						
Training Assistance	•	0.25	0.24	0.14	0.12	0.12
Joint Research Promotion	0.20	0.25	0.24	0.25	0.25	0.25
Total	4.11	5.52	5.19	4.62	4.55	4.54
Other Public Expenditure on Research and Development in Specific Areas (incl. Defence)						
Total	0.54	0.60	0.62	0.66	0.63	0.67
Expenditure on Schemes of the Federal Employment Office						
Total	0.13	0.32	0.31	0.32	0.37	0.43
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	1.71	1.68	1.68
Research and Development	1.16	1.16	1.44	1.69	1.71	1.73
Total	2.18	2.13	2.48	3.41	3.39	3.42
Total Expenditure						
Grand Total	6.99	8.58	8.60	6.98	8.94	9.06

⁵⁾ Estimates

⁶⁾ Including DM 9.6 billion on continuing education for 1984 and 1983 each

⁷⁾ Estimate of minimum amount

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

¹⁾ Expenditure by virtue of the Federal Training Assistance Act

²⁾ Up to 1984, actual expenditure; for 1985, 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

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 ³⁾	91893	4949	49156	24715	3216	4812	5046
1988 ³⁾	92312	5080	49760	24592	2874	4831	5175

¹⁾ Net expenditure²⁾ By the Federal Government and the Laender³⁾ Estimates

Source: Bund Laender Commission for Educational Planning and Research Promotion

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 ²⁾	55117	1577	36940	15513	1071	31	—
1988 ²⁾	56489	1630	37750	16002	1084	38	—
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 ²⁾	17236	830	6697	6204	1281	2060	—
1988 ²⁾	17224	856	6905	6278	919	2106	—
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 ²⁾	7483	254	3692	3344	191	8	—
1988 ²⁾	6948	270	3836	2656	185	7	—

¹⁾ Direct expenditure²⁾ Estimates

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

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	0.5	2.6	1.2	-0.5	10.6	0.4	2.6

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	1502	81	804	404	53	79	83
1988	1509	83	813	402	47	79	85

¹⁾ Net expenditure

²⁾ By the Federal Government and the Laender

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	13.7	0.8	7.4	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	4.5	0.24	2.4	1.22	0.16	0.24	0.25
1988	4.4	0.24	2.4	1.17	0.14	0.23	0.25

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.

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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	17.1	+ 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	397.6	11.0	- 0.2	6.5
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	•	10.2	- 1.9	•
1988	603.7	- 75.2	•	10.7	- 1.3	•
Foreign						
1970	63.0	+ 55.0	•	22.5	+19.6	•
1975	95.9	+ 86.9	•	24.1	+21.9	•
1980	80.7	+ 72.2	•	18.2	+16.3	•
1981	80.0	+ 71.5	•	17.2	+15.4	•
1982	73.0	+ 64.5	•	15.5	+13.7	•
1983	61.5	+ 53.4	•	13.6	+11.8	•
1984	54.8	+ 47.0	•	12.5	+10.7	•
1985	53.7	+ 46.0	•	12.3	+10.5	•
1986	58.7	+ 50.8	•	12.8	+11.1	•
1987	67.2	+ 59.2	•	14.2	+12.5	•
1988	73.5	+ 64.9	•	15.2	+13.4	•

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
Forecast										
1987	1796	193	2372	286	3658	486	2513	254	7412	630
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

Population, Economy and Public Spending

Resident Population according to Age (Thousands)

Aged from ... up to ... under ... Years	Resident Population at the End of the Year									
	1982		1983		1984		1985		1986	
	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
German										
0-1	279.4	264.7	271.3	257.7	270.1	255.9	270.6	258.8	289.3	275.1
1-2	276.3	263.2	270.0	264.3	271.1	257.5	270.0	255.9	270.6	258.8
2-3	273.7	261.0	276.3	263.2	279.2	264.6	271.4	257.8	270.3	256.1
3-4	256.8	245.2	273.8	261.0	276.5	263.6	279.5	264.8	271.7	258.2
4-5	254.8	242.4	257.0	245.3	274.1	261.4	276.9	263.9	279.9	265.2
5-6	256.5	243.3	255.0	242.5	257.4	245.8	276.1	261.7	277.3	264.4
6-7	261.2	249.6	256.7	243.5	255.4	243.0	257.7	246.1	274.9	262.2
7-8	255.3	242.9	261.3	249.7	257.1	243.9	255.8	234.4	258.1	246.5
8-9	262.0	250.3	255.5	243.1	261.8	250.1	257.5	244.3	256.3	243.8
9-10	270.4	259.3	262.2	250.4	255.9	243.5	262.1	250.5	257.9	244.7
10-11	307.4	293.6	270.7	259.5	262.7	250.9	256.3	243.8	262.6	250.9
11-12	352.0	334.9	307.6	293.9	271.1	259.9	263.1	251.2	256.7	244.3
12-13	372.9	356.8	352.2	335.2	308.0	294.3	271.4	260.3	263.4	251.6
13-14	426.7	408.0	373.0	357.0	352.6	335.7	308.3	294.6	271.8	260.7
14-15	462.9	441.5	426.8	408.2	373.4	357.4	352.6	336.0	308.7	294.9
15-16	483.7	462.2	463.0	441.6	427.1	408.6	373.7	353.2	336.3	316.0
16-17	499.3	447.0	483.6	462.3	463.2	442.0	427.3	408.9	373.9	358.0
17-18	502.5	478.6	499.0	477.1	483.6	462.7	463.2	442.2	427.4	409.2
18-19	514.4	490.4	502.0	478.7	498.9	477.3	483.5	463.0	463.3	442.5
19-20	509.7	487.3	514.0	490.3	502.1	478.8	498.9	477.5	483.6	463.4
20-21	491.7	469.6	509.3	487.1	514.0	490.4	502.2	479.1	499.0	477.8
21-22	489.5	468.3	491.3	469.3	509.4	487.4	514.1	490.7	502.4	479.4
22-23	472.2	451.5	489.1	468.2	491.4	469.5	509.5	487.7	514.3	491.1
23-24	461.6	438.6	471.9	451.2	489.5	468.4	491.5	469.8	509.8	488.2
24-25	440.7	418.7	461.3	483.3	472.3	451.6	489.7	468.8	491.9	470.2
25-26	431.8	411.0	440.5	418.5	461.8	438.6	472.7	451.9	490.1	469.2
26-27	415.2	397.0	431.7	410.8	440.9	419.6	462.0	438.9	473.0	452.2
27-28	399.1	380.2	414.9	396.8	432.1	411.1	441.2	419.0	462.3	439.2
28-29	398.7	382.9	398.9	380.1	415.4	397.2	432.4	411.3	441.6	419.3
29-30	383.8	369.3	398.3	382.2	399.5	380.5	415.7	397.5	432.6	411.6
30-65	12215.3	13204.4	12385.3	13315.7	12513.7	13342.1	12583.3	13268.3	12668.2	13218.1
65+	3161.1	5891.9	3059.3	5797.2	3031.9	5817.6	3058.4	5926.3	3091.4	6027.9
Total	26838.6	30035.6	26791.8	29940.7	26773.5	29870.3	26747.2	29791.7	26747.5	29731.1

Population, Economy and Public Spending

Resident Population according to Age (Thousands)

Resident Population at the End of the Year											Aged from ... up to ... under ... Years
1982		1983		1984		1985		1986			
Male	Female	Male	Female	Male	Female	Male	Female	Male	Female		
Foreign											
37.1	35.4	31.5	29.7	27.7	26.6	28.3	26.6	31.1	29.6	0— 1	
40.4	38.0	35.5	34.2	29.9	28.5	28.5	27.3	30.1	28.4	1— 2	
41.0	38.8	38.6	36.7	33.4	32.4	30.3	28.8	30.1	28.8	2— 3	
39.7	38.1	39.4	37.5	36.3	34.7	33.8	32.7	31.8	30.1	3— 4	
40.6	38.3	38.2	36.9	37.0	35.4	36.5	34.9	35.1	33.9	4— 5	
41.6	39.6	38.9	36.8	35.6	34.7	37.0	35.6	37.6	36.1	5— 6	
42.5	41.4	37.9	36.8	34.4	33.3	34.3	33.7	36.8	35.7	6— 7	
42.3	41.7	38.5	38.5	33.4	33.3	33.1	32.5	34.2	33.8	7— 8	
45.9	47.0	40.0	40.1	35.4	36.1	33.3	33.3	34.1	33.5	8— 9	
46.9	46.3	43.9	45.8	36.7	37.6	35.4	36.1	34.4	34.2	9—10	
46.6	45.7	45.0	45.1	40.9	43.4	36.7	37.6	36.4	37.0	10—11	
46.8	44.7	45.0	44.5	42.1	42.7	41.0	43.6	37.9	38.7	11—12	
44.2	40.5	45.1	43.6	42.2	42.3	42.2	42.8	42.2	44.4	12—13	
43.7	38.2	42.7	39.3	42.6	41.3	42.5	42.3	43.6	43.7	13—14	
42.4	36.5	41.1	37.1	40.3	37.2	43.3	41.6	44.4	43.3	14—15	
39.6	34.3	41.4	35.6	40.3	35.2	41.7	37.8	46.1	42.9	15—16	
44.7	36.4	38.5	33.1	39.6	33.6	41.2	35.5	43.7	39.1	16—17	
46.1	36.2	43.9	35.5	37.7	31.9	40.4	34.1	42.7	36.8	17—18	
47.9	36.6	45.9	36.2	44.0	35.3	39.4	33.2	42.8	36.4	18—19	
45.6	35.3	46.8	37.0	45.6	36.7	45.4	37.2	41.4	36.3	19—20	
43.4	35.6	45.5	36.0	47.8	37.9	48.3	39.3	49.0	41.1	20—21	
40.6	34.3	43.2	35.6	46.7	36.4	51.1	39.7	52.4	42.4	21—22	
45.9	39.0	40.3	34.0	44.3	35.8	49.9	38.2	55.8	43.0	22—23	
45.1	36.4	44.7	38.6	41.3	34.5	47.8	37.6	55.1	40.9	23—24	
48.4	36.2	43.6	36.0	45.3	38.7	44.4	36.0	52.9	40.2	24—25	
49.9	36.1	46.3	35.8	44.0	36.1	48.1	40.0	48.9	38.4	25—26	
54.8	39.6	47.3	35.5	46.3	35.6	46.2	37.3	52.7	42.2	26—27	
51.5	43.2	51.7	38.9	46.8	35.0	47.9	36.5	49.6	39.1	27—28	
49.6	47.5	48.5	42.3	50.6	38.1	48.3	35.8	51.2	38.2	28—29	
46.5	48.4	46.7	46.5	47.3	41.1	51.5	38.6	50.9	37.6	29—30	
1192.9	832.1	1180.4	853.7	1130.4	846.9	1149.6	876.2	1191.8	915.9	30—65	
55.0	65.2	57.1	67.1	60.4	70.9	65.5	76.4	70.9	82.9	65—	
2589.2	2082.6	2514.0	2060.2	2406.2	1999.3	2442.8	2038.8	2537.9	2124.0	Total	

Forecast of Resident Population according to Age (Thousands)

Aged from ... up to under ... Years	Resident Population at the End of the Year									
	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996
German and Foreign Total										
0-1	635	644	650	653	653	648	639	626	610	590
1-2	624	634	643	649	652	652	647	638	625	609
2-3	589	625	635	644	650	653	653	648	639	627
3-4	587	591	627	637	645	651	655	654	650	641
4-5	593	588	592	628	638	647	653	656	655	651
5-6	616	595	590	594	629	639	648	654	657	657
6-7	617	617	596	591	595	631	641	649	656	659
7-8	611	618	619	598	593	597	632	642	651	657
8-9	574	613	620	620	599	594	598	634	644	652
9-10	569	579	614	621	622	601	596	600	635	645
10-11	573	571	577	616	623	623	602	597	601	637
11-12	589	574	573	579	617	625	625	604	599	602
12-13	579	590	576	574	581	619	626	626	605	600
13-14	603	581	592	578	576	582	620	627	628	607
14-15	621	605	582	593	579	577	584	622	629	629
15-16	693	623	606	584	595	581	579	585	623	630
16-17	780	694	624	608	585	596	582	580	586	624
17-18	816	781	696	626	609	587	597	583	581	587
18-19	917	817	782	697	627	610	588	598	584	582
19-20	986	918	818	783	698	628	611	589	600	585
20-21	1026	987	919	819	784	699	629	612	590	601
21-22	1068	1026	987	920	820	785	700	630	613	591
22-23	1077	1069	1027	988	921	821	786	701	631	615
23-24	1105	1078	1069	1028	989	922	822	787	702	632
24-25	1095	1106	1079	1070	1029	990	922	823	788	703
25-26	1056	1096	1107	1080	1071	1030	991	923	824	789
26-27	1047	1057	1097	1108	1081	1072	1031	992	924	825
27-28	1021	1048	1058	1097	1108	1082	1073	1031	993	925
28-29	991	1022	1049	1059	1098	1109	1082	1074	1032	994
29-30	951	992	1023	1050	1059	1099	1110	1083	1074	1033
30-35	4439	4549	4667	4817	4960	5087	5234	5352	5413	5437
35-40	4241	4272	4289	4301	4374	4455	4564	4681	4831	4973
40-45	3695	3698	3764	4022	4156	4247	4277	4295	4306	4379
45-50	4780	4621	4389	3960	3704	3674	3678	3744	3998	4131
50-55	4155	4428	4613	4759	4812	4693	4538	4312	3892	3643
55-60	3564	3474	3543	3651	3826	4031	4296	4477	4622	4674
60-65	3301	3369	3420	3444	3429	3392	3310	3380	3487	3658
65-	9369	9435	9503	9608	9702	9797	9929	10049	10179	10253
Total	61151	61180	61214	61251	61286	61321	61346	61359	61357	61324

Forecast of Resident Population according to Age (Thousands)

Resident Population at the End of the Year										Aged from up to under Years
1997	1998	1999	2000	2005	2010	2015	2020	2025	2030	
German and Foreign Total										
569	546	524	504	433	418	424	417	380	323	0- 1
589	568	546	524	442	418	422	420	388	340	1- 2
610	590	569	547	455	420	421	424	398	350	2- 3
628	611	592	571	471	425	420	426	406	361	3- 4
642	629	613	593	489	431	419	427	413	371	4- 5
652	643	630	614	510	439	419	427	419	382	5- 6
658	653	645	632	532	449	421	426	424	392	6- 7
660	659	655	646	556	462	423	425	428	401	7- 8
658	661	661	657	579	478	428	424	430	410	8- 9
654	660	663	663	602	497	434	423	431	417	9-10
647	655	661	664	623	517	442	423	431	423	10-11
638	648	656	663	641	540	452	425	430	428	11-12
604	639	649	658	655	563	466	428	429	432	12-13
601	605	641	651	665	587	481	432	428	434	13-14
608	603	606	643	671	609	500	438	427	435	14-15
630	609	604	608	673	630	520	446	427	435	15-16
631	631	611	606	671	648	542	457	429	434	16-17
626	633	633	612	666	662	566	470	432	433	17-18
589	627	634	634	659	672	589	485	436	432	18-19
583	590	628	635	650	677	611	503	442	431	19-20
586	584	591	629	616	679	632	524	449	430	20-21
602	587	585	592	613	677	649	545	460	432	21-22
592	603	588	587	619	672	663	568	472	434	22-23
616	593	604	590	641	665	673	592	488	439	23-24
633	617	594	605	642	656	679	614	506	444	24-25
704	634	618	596	636	621	680	634	526	452	25-26
790	705	635	619	599	619	678	652	548	462	26-27
826	791	706	637	594	625	673	666	571	475	27-28
926	827	792	707	597	647	666	675	594	491	28-29
994	927	828	793	612	648	657	681	616	509	29-30
5410	5306	5123	4869	3306	3067	3166	3166	3320	2868	30-35
5099	5246	5363	5424	4891	3408	3069	3174	3372	3325	35-40
4458	4566	4682	4833	5428	4892	3400	3070	3172	3368	40-45
4220	4250	4267	4278	4801	5388	4844	3374	3047	3147	45-50
3614	3619	3685	3934	4207	4718	5290	4756	3315	2995	50-55
4558	4408	4190	3783	3827	4090	4582	5137	4616	321	55-60
3854	4107	4280	4418	3616	3663	3909	4378	4910	4406	60-65
10300	10332	10486	10660	11782	11946	12004	12138	12655	13601	65-
61259	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 Female Population at the End of the Year									
	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996
German and Foreign										
0-1	309	313	316	318	318	315	311	305	297	287
1-2	304	309	313	316	317	317	315	311	304	396
2-3	288	305	309	303	316	318	318	316	311	305
3-4	286	289	306	310	314	317	319	318	316	312
4-5	289	286	289	306	311	315	318	319	319	317
5-6	300	290	287	290	307	311	315	318	320	320
6-7	301	301	290	288	291	308	312	316	319	321
7-8	299	302	301	291	289	291	308	313	317	320
8-9	281	299	303	302	292	289	292	309	313	317
9-10	278	282	300	303	303	293	290	293	310	314
10-11	280	279	283	301	304	304	293	291	294	310
11-12	289	280	279	283	302	305	304	294	291	294
12-13	284	289	281	280	284	302	306	305	295	292
13-14	297	285	290	282	281	285	303	306	306	295
14-15	305	297	285	291	283	282	286	304	307	306
15-16	339	306	298	286	292	283	283	286	304	308
16-17	380	340	307	299	287	292	284	283	287	305
17-18	398	381	340	307	300	287	293	285	284	288
18-19	446	398	381	341	308	300	288	294	285	284
19-20	479	447	399	382	341	308	301	288	294	286
20-21	500	480	447	399	382	342	309	301	289	295
21-22	519	500	480	448	400	383	342	309	302	289
22-23	522	520	500	481	448	400	383	343	310	302
23-24	535	523	520	501	481	449	401	383	343	310
24-25	530	535	523	521	502	481	449	401	384	344
25-26	511	530	535	523	521	502	482	449	402	384
26-27	508	511	530	536	524	521	503	482	450	402
27-28	495	509	512	531	536	524	522	503	483	450
28-29	479	495	509	512	531	537	525	522	503	483
29-30	458	479	496	509	513	532	537	525	523	504
30-35	2159	2202	2253	2326	2398	2461	2535	2592	2622	2635
35-40	2072	2093	2107	2110	2137	2168	2211	2261	2334	2405
40-45	1817	1817	1842	1966	2032	2078	2098	2112	2115	2143
45-50	2349	2271	2160	1951	1827	1813	1813	1838	1961	2026
50-55	2060	2195	2287	2359	2384	2324	2247	2138	1932	1809
55-60	1802	1755	1786	1837	1923	2024	2157	2247	2318	2343
60-65	1896	1874	1846	1817	1781	1749	1705	1736	1787	1871
65-	6184	6239	6290	6346	6383	6404	6432	6454	6482	6481
Total	31826	31804	31783	31762	31740	31715	31606	31651	31610	31553

Forecast of Resident Population according to Age (Thousands)

Aged from ... up to ... under ... Years	Resident Female Population at the End of the Year									
	1997	1998	1999	2000	2005	2010	2015	2020	2025	2030
German and Foreign										
277	266	255	245	211	203	206	203	185	161	0-1
287	276	266	255	215	203	205	205	189	166	1-2
297	287	277	266	222	205	205	206	194	170	2-3
306	298	288	278	229	207	204	207	198	176	3-4
313	306	298	289	238	209	204	208	201	181	4-5
317	313	307	299	248	213	204	208	204	186	5-6
320	318	314	308	259	218	205	207	206	191	6-7
321	321	319	315	270	225	206	207	208	195	7-8
320	322	322	320	282	233	208	206	209	199	8-9
318	321	323	322	293	241	211	206	210	203	9-10
315	319	322	323	303	251	215	206	210	206	10-11
311	315	319	323	312	262	220	207	209	208	11-12
295	312	316	320	319	274	226	208	209	210	12-13
293	296	312	317	324	285	234	210	208	211	13-14
296	293	296	313	326	296	243	213	208	211	14-15
307	297	294	297	327	306	253	217	208	211	15-16
308	308	297	295	327	315	264	222	209	211	16-17
306	309	308	298	324	322	275	228	210	210	17-18
288	306	309	309	321	327	286	236	212	210	18-19
285	289	307	310	317	329	297	244	215	209	19-20
286	285	289	307	300	330	307	254	218	209	20-21
295	287	286	290	298	329	316	265	223	210	21-22
290	295	287	286	301	327	322	276	229	211	22-23
303	290	296	288	312	323	327	287	237	213	23-24
311	303	291	296	313	319	330	298	246	216	24-25
344	311	304	291	310	303	331	308	256	220	25-26
385	345	312	304	293	301	330	317	266	225	26-27
402	385	345	312	289	304	327	324	277	231	27-28
451	403	386	346	291	314	324	328	289	238	28-29
484	451	403	386	300	316	320	331	300	247	29-30
2626	2578	2492	2371	1654	1495	1540	1637	1614	1393	30-35
2468	2542	2599	2629	2381	1664	1496	1544	1641	1617	35-40
2173	2215	2265	2338	2634	2384	1662	1498	1545	1641	40-45
2072	2092	2106	2108	2330	2623	2369	1655	1492	1538	45-50
1796	1796	1821	1942	2087	2305	2592	2342	1637	1476	55-55
2284	2208	2101	1899	1910	2051	2264	2545	2299	1608	55-60
1969	2097	2185	2254	1846	1955	1995	2200	2473	2233	60-65
6465	6440	6479	6532	6960	6958	6933	6986	7220	7703	65-
31481	31394	31292	31179	30473	29629	28653	27648	26560	25384	Total

Forecast of Resident Population according to Age (Thousands)

Aged from ... up to ... Years	Resident Population at the End of the Year										
	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	
	German Total										
0-1	576	585	591	594	594	589	580	567	550	530	
1-2	562	574	583	589	592	592	587	578	565	548	
2-3	530	563	575	583	589	592	592	587	578	565	
3-4	527	530	563	575	584	590	593	592	587	579	
4-5	530	527	531	563	575	584	590	593	592	588	
5-6	546	531	528	531	564	576	584	590	593	593	
6-7	542	546	531	528	531	564	576	585	591	594	
7-8	538	543	547	532	529	532	565	577	585	591	
8-9	505	538	544	547	533	529	533	565	577	586	
9-10	501	506	539	544	548	533	530	533	566	578	
10-11	503	501	507	540	545	549	534	530	534	566	
11-12	514	504	502	507	540	545	549	534	531	534	
12-13	502	515	505	503	508	541	546	550	535	531	
13-14	516	502	515	505	503	508	541	546	550	535	
14-15	533	516	503	516	506	504	509	542	547	551	
15-16	604	534	517	503	517	506	504	509	542	547	
16-17	690	605	534	517	504	517	507	505	510	543	
17-18	732	690	605	535	518	504	517	507	505	510	
18-19	837	732	691	605	535	518	505	518	507	505	
19-20	906	837	733	691	605	535	518	505	518	507	
20-21	947	906	837	733	691	605	535	518	505	518	
21-22	977	947	906	836	733	691	606	535	518	505	
22-23	982	977	947	905	836	733	691	606	535	519	
23-24	1005	982	976	947	905	836	733	691	606	535	
24-25	998	1005	981	976	946	905	836	733	691	606	
25-26	962	998	1005	982	976	947	905	837	733	691	
26-27	959	962	998	1005	982	977	947	906	837	733	
27-28	925	960	963	998	1006	982	977	947	906	837	
28-29	902	926	960	963	998	1006	982	977	947	906	
29-30	861	902	926	960	963	998	1006	982	977	947	
30-35	3978	4085	4203	4348	4493	4611	4748	4852	4908	4925	
35-40	3743	3780	3802	3822	3889	3975	4082	4200	4343	4488	
40-45	3281	3235	3290	3519	3645	3730	3766	3787	3808	3874	
45-50	4446	4275	4031	3591	3311	3255	3228	3265	3491	3615	
50-55	3921	4175	4339	4461	4500	4363	4196	3959	3528	3356	
55-60	3412	3308	3361	3455	3612	3800	4047	4208	4328	4367	
60-65	3204	3263	3305	3319	3294	3244	3148	3203	3297	3449	
65-	9206	9262	9319	9410	9490	9570	9685	9787	9895	9948	
Total	56402	56342	56289	56239	56189	56136	56075	56003	55916	55799	

Forecast of Resident Population according to Age (Thousands)

Resident Population at the End of the Year										Aged from ... up to ... under ... Years
1997	1998	1999	2000	2005	2010	2015	2020	2025	2030	
German Total										
509	486	464	443	373	360	371	366	330	284	0- 1
529	507	485	463	380	358	367	368	338	292	1- 2
549	529	507	485	392	359	365	370	346	301	2- 3
566	549	529	508	406	362	363	371	354	310	3- 4
579	566	549	529	423	366	361	371	360	320	4- 5
588	579	566	549	442	372	360	370	365	329	5- 6
593	588	579	566	464	381	360	369	369	339	6- 7
594	593	589	580	486	393	361	367	372	347	7- 8
592	595	594	589	509	408	364	365	373	355	8- 9
586	592	595	594	531	425	368	363	373	362	9-12
578	587	593	595	551	445	375	362	373	367	10-11
567	579	587	593	569	466	384	362	371	371	11-12
535	567	579	587	582	489	396	363	369	374	12-13
532	535	568	579	591	512	410	366	367	375	13-14
536	532	535	568	596	534	427	370	365	375	14-15
551	536	533	536	597	553	447	377	364	374	15-16
548	551	536	533	595	570	468	386	364	373	16-17
543	547	552	537	589	584	491	398	365	371	17-18
510	543	548	552	581	593	513	412	368	369	18-19
505	510	543	548	569	597	535	429	372	367	19-20
507	505	510	543	537	598	554	448	378	365	20-21
518	508	505	510	534	595	571	469	387	365	21-22
505	518	508	506	537	589	584	491	398	366	22-23
519	505	518	508	552	581	593	513	413	368	23-24
536	519	505	518	548	569	598	535	429	372	24-25
606	536	519	506	544	537	599	555	449	379	25-26
691	606	536	519	511	535	596	572	470	388	26-27
733	692	607	537	507	538	590	585	493	400	27-28
837	733	692	607	509	553	582	594	515	414	28-29
906	837	734	692	520	550	571	599	537	431	29-30
4909	4817	4548	4400	2867	2599	2722	2947	2915	2472	30-35
4606	4742	4845	4900	4394	2869	2604	2726	2952	2916	35-40
3959	4065	4181	4323	4875	4373	2861	2598	2720	2941	40-45
3699	3734	3755	3774	4283	4828	4332	2838	2580	2697	45-50
3201	3174	3212	3432	3708	4207	4740	4253	2790	2536	50-55
4234	4072	3842	3425	3333	3599	4083	4599	4125	2706	55-60
3629	3864	4018	4132	3267	3183	3435	3896	4386	3931	60-65
9969	9973	10097	10258	11257	11250	11050	11021	11398	12204	65-
55651	55472	55262	55024	53509	51681	49746	47744	45593	43203	Total

Forecast of Resident Population according to Age (Thousands)

Aged from ... up to ... Years	Resident Female Population at the End of the Year									
	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996
German										
0-1	280	285	288	289	289	286	282	276	268	258
1-2	274	280	284	287	288	288	286	281	275	267
2-3	259	274	280	284	287	288	288	286	282	275
3-4	256	259	275	280	284	287	289	288	286	282
4-5	258	257	259	275	280	284	287	289	288	286
5-6	266	259	257	260	275	280	284	287	289	289
6-7	265	266	259	257	260	275	281	285	288	289
7-8	263	265	266	259	257	260	276	281	285	288
8-9	247	263	265	266	260	258	260	276	281	285
9-10	244	247	263	266	267	260	258	261	276	281
10-11	245	245	248	263	266	267	260	258	261	276
11-12	251	245	245	248	264	266	267	260	258	261
12-13	245	252	246	245	248	264	266	268	261	259
13-14	252	245	252	246	245	248	264	267	268	261
14-15	261	252	245	252	246	246	249	265	267	268
15-16	295	261	253	246	252	247	246	249	265	267
16-17	337	296	262	253	246	253	247	246	249	265
17-18	358	337	296	262	253	246	253	247	246	249
18-19	409	358	337	296	262	253	246	253	247	246
19-20	443	409	358	337	296	262	253	246	253	247
20-21	463	443	409	358	337	296	262	253	246	253
21-22	478	463	443	409	359	337	296	262	253	246
22-23	479	478	463	443	409	359	337	296	262	254
23-24	491	479	478	463	443	409	359	337	296	262
24-25	488	491	479	478	463	443	409	360	337	296
25-26	470	488	491	480	478	464	443	410	359	338
26-27	469	471	489	492	480	478	464	443	410	359
27-28	452	470	471	489	492	480	478	464	443	410
28-29	439	453	470	471	489	492	480	479	464	443
29-30	420	440	453	470	471	489	492	480	479	464
30-35	1946	1996	2052	2124	2196	2255	2325	2377	2404	2413
35-40	1830	1847	1863	1874	1906	1948	1998	2054	2125	2197
40-45	1641	1623	1631	1736	1792	1828	1846	1860	1871	1904
45-50	2224	2139	2019	1801	1663	1634	1616	1625	1728	1784
50-55	1973	2101	2185	2249	2268	2200	2116	1998	1783	1646
55-60	1740	1689	1716	1762	1842	1937	2063	2146	2208	2227
60-65	1851	1826	1795	1763	1724	1688	1640	1666	1713	1791
65-	6097	6147	6192	6242	6272	6286	6307	6321	6340	6330
Total	29661	29597	29534	29472	29408	29342	29272	29197	29114	29017

Forecast of Resident Population according to Age (Thousands)

Resident Female Population at the End of the Year										Aged from ... up to ... Years
1997	1998	1999	2000	2005	2010	2015	2020	2025	2030	
German										
248	237	226	215	181	175	180	178	161	138	0- 1
258	247	236	225	185	174	179	179	165	142	1- 2
267	258	247	236	191	175	178	180	169	146	2- 3
275	267	258	247	198	176	177	180	172	151	3- 4
282	275	267	258	206	178	176	181	175	156	4- 5
286	282	276	267	215	181	175	180	178	160	5- 6
289	286	282	276	226	186	175	180	180	165	6- 7
289	289	287	282	237	191	176	179	181	169	7- 8
288	290	289	287	248	199	177	178	182	173	8- 9
285	288	290	289	259	207	179	177	182	176	9-10
282	286	289	290	268	216	182	176	181	179	10-11
277	282	286	289	277	227	187	176	181	181	11-12
261	277	282	286	283	238	193	177	180	182	12-13
259	262	277	282	288	249	200	178	179	183	13-14
261	259	262	277	290	260	208	180	178	183	14-15
268	261	259	262	291	270	218	184	177	182	15-16
267	268	261	260	290	278	228	188	177	182	16-17
265	268	269	262	287	284	239	194	178	181	17-18
249	265	268	269	283	289	250	201	179	180	18-19
247	249	265	268	278	291	261	209	181	179	19-20
247	247	250	265	263	292	270	218	184	178	20-21
253	247	247	250	260	290	278	229	189	178	21-22
246	253	247	247	262	287	285	239	194	178	22-23
254	247	253	247	269	283	289	250	201	180	23-24
262	254	247	253	268	278	291	261	209	182	24-25
297	263	254	247	266	263	292	271	219	185	25-26
338	297	263	254	250	261	291	279	230	189	26-27
359	338	297	263	248	263	288	286	241	195	27-28
410	360	338	297	248	270	284	290	252	202	28-29
444	410	360	338	255	269	280	293	263	211	29-30
2406	2360	2279	2158	1404	1273	1332	1442	1426	1209	30-35
2256	2325	2377	2404	2159	1408	1278	1337	1447	1429	35-40
1945	1994	2050	2121	2398	2154	1407	1278	1337	1445	40-45
1820	1837	1851	1861	2109	2383	2141	1401	1273	1330	45-50
1618	1600	1609	1711	1841	2085	2356	2116	1386	1259	50-55
2160	2077	1961	1751	1681	1808	2047	2312	2077	1361	55-60
1884	2005	2085	2145	1700	1634	1757	1988	2244	2015	60-65
6304	6268	6296	6344	6723	6640	6471	6410	6568	6976	65-
28904	28777	28636	28482	27583	26584	25573	24553	23473	22288	Total

Resident Population according to Employment

Year ¹⁾	Resident Population									
	Total		of which Labour Force							
			Total						Unemployed	
			Persons in Employment							
				Total	Female	Total	Female	Total	Total	Female
								Short-time Workers		
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 ²⁾	61077	31754	29361	27132	10500	1577	486	278.0	2229	1021
1988 ²⁾	61418	31889	29543	27301	10700	1610	501	207.8	2242	1043
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

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

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	65 —
Thousands											
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
	1985	29012	2219	3942	3485	6301	7107	2748	2198	706	305
	1988	29681	1709	4084	3905	6792	6689	3228	2236	755	282
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
	1985	17578	1221	2113	2015	3870	4471	1793	1442	474	180
	1988	17904	934	2182	2249	4162	4134	2067	1474	535	167
Female	1960	9937	1411	1802	977	1847	1616	874	669	377	287
	1970	9591	1044	1252	967	1947	2040	705	791	499	341
	1980	10478	1055	1497	1243	2220	2316	953	830	183	182
	1985	11433	998	1830	1471	2431	2636	955	756	232	126
	1988	11777	775	1903	1656	2631	2555	1161	762	220	115
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
	1985	47.6	45.0	77.1	77.7	79.5	78.5	71.8	57.5	19.8	3.3
	1988	48.4	42.5	78.5	77.9	80.1	79.9	73.7	60.4	21.4	2.9
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
	1985	60.3	47.9	80.1	87.9	97.0	97.1	93.2	79.1	33.0	5.4
	1988	60.7	45.5	81.4	87.5	96.7	96.8	93.2	79.8	34.5	4.9
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
	1985	35.9	41.9	73.8	67.0	61.7	59.2	50.2	37.8	10.9	2.1
	1988	37.0	39.5	75.4	67.7	63.0	62.3	53.7	41.1	11.1	1.8

¹⁾ Result of micro-census

Population, Economy and Public Spending

Resident Population and Labour Force according to Type of Qualification obtained in General Schools 1987¹⁾

Aged from ... up to under ...	Category of Population	Resident Population and Labour Force							
		Total			of which				
					Not yet or still in School Education			with a Quali-	
								Secondary General School Certificate	
		Total	Male	Female	Total	Male	Female	Total	
Thousands			Per Cent						
— 15	R	8750	4489	4262	•	•	•	•	
	LF	—	—	—	—	—	—	—	
15—20	R	4362	2222	2139	45.8	44.8	46.7	29.8	
	LF	1853	1005	848	3.0	2.6	3.4	55.2	
20—25	R	5247	2685	2562	2.6	2.7	2.5	42.3	
	LF	4110	2189	1921	0.5	0.6	0.5	47.9	
25—30	R	4812	2466	2346	0.9	0.9	0.9	48.3	
	LF	3731	2154	1576	0.5	0.6	0.3	50.3	
30—40	R	8364	4213	4152	0.9	0.6	1.2	58.8	
	LF	6659	4072	2587	0.5	0.4	0.5	57.3	
40—50	R	8606	4395	4210	0.9	0.6	1.1	69.6	
	LF	6812	4258	2554	0.5	0.5	0.6	68.0	
50—60	R	7889	3927	3932	1.0	0.7	1.3	78.8	
	LF	5252	3437	1814	0.5	0.4	0.7	76.3	
60—65	R	3487	1479	2008	1.5	1.2	1.8	77.9	
	LF	736	507	229	•	•	•	65.6	
65—	R	9625	3386	6240	2.3	2.1	2.5	80.2	
	LF	297	170	127	•	•	•	65.2	
Total	R	61142	29292	31850	18.7	19.6	17.8	54.6	
	LF	29449	17792	11656	0.7	0.6	0.7	61.1	

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 1987¹⁾ (cont.)

Resident Population Labour Force								Category of Pop- ulation	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	—15
—	—	—	—	—	—	—	—	LF	
33.9	25.7	21.4	18.6	24.3	3.0	2.8	3.3	R	15—20
62.1	47.1	38.4	32.0	46.0	3.4	3.3	3.5	LF	
47.7	36.6	30.7	25.0	36.7	24.4	24.6	24.2	R	20—25
56.4	38.2	35.6	28.2	44.0	16.0	14.8	17.3	LF	
51.3	45.1	25.9	20.4	31.7	24.9	27.4	22.3	R	25—30
57.1	41.1	28.4	22.5	36.4	20.8	19.8	22.1	LF	
57.5	60.1	20.1	17.0	23.1	20.2	24.8	15.6	R	30—40
58.2	55.8	20.4	17.4	25.3	21.8	24.0	18.4	LF	
68.6	70.6	17.5	15.1	20.0	12.1	15.6	8.3	R	40—50
68.3	67.5	17.7	15.3	21.7	13.8	15.9	10.3	LF	
77.4	80.1	12.6	11.5	13.8	7.6	10.4	4.8	R	50—60
76.1	76.6	13.5	12.2	16.1	9.7	11.3	6.6	LF	
75.3	79.8	12.5	11.5	13.2	8.1	12.0	5.3	R	60—65
64.0	69.3	15.1	14.1	17.2	18.7	21.5	12.6	LF	
76.2	82.3	11.9	11.4	12.2	5.6	10.3	3.0	R	65—
57.8	75.0	16.2	15.1	17.7	18.2	26.7	6.8	LF	
52.9	56.2	15.6	13.6	17.5	11.1	13.9	8.5	R	Total
64.1	56.6	22.6	18.5	28.9	15.6	16.8	13.8	LF	

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 ²⁾	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	21933	
1972	825.1	1217.0	13379	10.3	11.4	645.3	10464	24130	
1973	918.9	1274.1	14827	10.3	11.1	721.9	11648	26814	
1974	985.6	1276.5	15883	10.8	10.8	773.0	12456	29097	
1975	1029.4	1258.0	16649	11.3	10.7	803.6	12997	31134	
1976	1126.2	1328.2	18303	11.0	10.6	882.2	14337	34471	
1977	1199.2	1363.4	19531	11.1	10.7	938.3	15282	36730	
1978	1291.6	1407.9	22161	11.1	10.7	1010.2	16473	39310	
1979	1396.6	1463.6	22761	11.2	10.9	1087.9	17730	41768	
1980	1485.2	1485.2	24124	11.7	11.0	1148.6	18656	43627	
1981	1545.1	1485.3	25049	12.2	11.0	1187.3	19248	45412	
1982	1597.1	1471.0	25911	12.6	10.8	1223.5	19850	47591	
1983	1680.4	1498.9	27358	12.6	10.9	1286.2	20941	50777	
1984	1769.9	1548.1	28932	12.6	10.8	1357.9	22197	53540	
1985	1844.3	1578.1	30223	12.6	10.4	1420.0	23270	55600	
1986	1945.2	1614.7	31854	12.4	10.0	1509.5	24718	58497	
1987 ⁸⁾	2017.7	1641.9	33026	12.4	10.0	1567.3	25653	60263	
1988 ⁸⁾	2121.7	1701.8	34545	12.3	9.9	1651.7	26892	63103	

¹⁾ Less subsidies²⁾ Income tax, social security contributions³⁾ Percentage of gross national product in current prices⁴⁾ Percentage of national income⁵⁾ Percentage of gross wage and salary income

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

Gross Wage and Salary Income		Employ-ers' Con-tributions	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	1402	23.7	290.7	1070	1972
510.9	70.8	16.1	428.6	1559	26.1	316.7	1152	1973
563.1	72.9	16.6	469.6	1729	27.1	342.4	1260	1974
587.2	73.1	17.3	485.9	1839	26.9	355.4	1345	1975
631.3	71.6	17.9	518.2	1968	28.6	369.8	1404	1976
676.0	72.0	17.8	556.0	2103	29.4	392.5	1485	1977
721.6	71.4	17.9	592.1	2216	28.7	422.4	1581	1978
777.9	71.5	18.1	637.0	2342	28.4	456.1	1677	1979
844.4	73.5	18.3	690.2	2500	29.4	487.2	1764	1980
883.0	74.4	18.5	719.4	2621	29.7	505.8	1843	1981
902.5	73.8	18.6	734.8	2729	30.5	510.8	1897	1982
920.9	71.6	19.0	745.8	2818	31.2	513.4	1940	1983
954.0	70.3	19.3	769.5	2902	32.0	523.4	1974	1984
991.0	69.8	19.4	798.4	2987	32.9	536.1	2006	1985
1041.4	69.0	19.5	838.4	3099	32.6	564.7	2087	1986
1084.1	69.2	19.6	871.6	3192	33.4	580.5	2126	1987 ⁸⁾
1126.4	68.2	19.6	905.4	3291	33.2	604.8	2198	1988 ⁸⁾

⁵⁾ average monthly amount in DM⁷⁾ Percentage of gross wage and salary bill⁸⁾ Preliminary results

Public Expenditure by Spending Authority

Year	Public Expenditure							
	All Authorities				of which			
					Federal Government ¹⁾			
	Total	of which			Total	of which		
		Expendi- ture on Staff	Current Operating Expendi- ture	Capital Spending		Expendi- ture on Staff	Current Operating Expendi- ture	Capital Spending
DM Billion								
1970	196 28	61.42	32.04	32.24	87.87	14.55	13.98	5.64
1975	360 51	118.11	52.87	46.03	158.80	25.45	22.24	7.81
1976	376.76	124.24	55.98	43.63	165.20	26.25	23.52	7.01
1977	395.17	132.07	58.97	43.21	172.39	27.47	23.91	7.21
1978	433.40	140.94	65.09	47.56	189.66	28.77	26.22	7.66
1979	469.85	150.46	71.75	53.32	203.41	30.17	28.22	7.98
1980	509.24	162.47	77.98	60.00	215.72	32.14	30.14	8.21
1981	541.76	172.51	83.11	56.99	233.00	34.08	32.58	7.28
1982	561.61	177.24	87.02	52.01	244.65	34.40	34.81	6.96
1983	570.08	182.14	90.49	48.50	246.75	35.14	36.67	7.12
1984	583.58	184.94	94.68	47.62	251.78	35.46	38.01	7.12
1985	604.40	191.81	98.81	50.18	257.11	36.67	38.49	7.39
1986	628.60	200.51	102.20	53.76	261.53	37.94	39.44	7.52
1987	650.05	209.14	104.46	54.18	269.05	39.28	40.04	7.68
1988	670.71	214.51	106.19	55.26	275.37	40.12	39.70	7.68
1989 ²⁾	700.00	221.00	111.00	58.50	291.50	41.50	41.50	8.00
Per Cent (Change as compared with previous year)								
1970	+13.3	+ 8.6	•	- 0.2	+18.5	+5.9	•	+10.0
1975	+11.4	+10.0	+ 6.9	- 0.2	+14.2	+7.2	+ 8.8	+ 9.9
1976	+ 4.4	+ 5.0	+ 5.7	- 5.3	+ 4.0	+3.2	+ 5.8	-10.3
1977	+ 4.9	+ 6.3	+ 5.3	- 1.0	+ 4.4	+4.6	+ 1.6	+ 2.9
1978	+ 9.3	+ 6.1	+10.3	+10.1	+10.0	+4.7	+10.4	+ 6.3
1979	+ 8.4	+ 6.8	+10.2	+12.1	+ 7.2	+4.9	+ 7.6	+ 4.2
1980	+ 8.4	+ 8.0	+ 8.7	+12.5	+ 6.1	+6.5	+ 6.8	+ 2.9
1981	+ 6.4	+ 6.2	+ 6.6	- 5.0	+ 8.0	+6.0	+ 8.1	-11.3
1982	+ 3.7	+ 2.7	+ 4.7	- 8.7	+ 5.0	+0.9	+ 6.8	- 4.5
1983	+ 1.5	+ 2.8	+ 4.0	- 6.8	+ 0.9	+2.2	+ 5.4	+ 2.4
1984	+ 2.4	+ 1.5	+ 4.7	- 1.8	+ 2.0	+0.9	+ 3.7	- 0.0
1985	+ 3.6	+ 3.7	+ 4.4	+ 5.4	+ 2.1	+3.4	+ 1.2	+ 3.8
1986	+ 4.6	+ 4.5	+ 3.4	+ 7.1	+ 1.7	+3.5	+ 2.5	+ 1.8
1987	+ 3.4	+ 4.3	+ 2.2	+ 0.8	+ 2.9	+3.5	+ 1.5	+ 2.1
1988	+ 3.2	+ 2.6	+ 1.7	+ 2.0	+ 2.4	+2.1	- 0.9	+ 0.1
1989 ²⁾	+ 4.5	+ 3.0	+ 4.5	+ 6.0	+ 6.0	+3.5	+ 4.5	+ 7.0

¹⁾ Not including Equalization Fund, ERP Special Fund, EC contributions

²⁾ Estimates

Source: Federal Minister of Finance (Financial Reports)

Public Expenditure by Spending Authority (cont.)

Public Expenditure								Year
of which								
Laender				Local Authorities				
Total	of which			Total	of which			
	Expendi- ture on Staff	Current Operating Expendi- ture	Capital Spending		Expendi- ture on Staff	Current Operating Expendi- ture	Capital Spending	
DM Billion								
77.47	31.65	7.26	6.40	56.71	15.22	10.79	20.20	1970
146.28	62.30	13.21	8.59	101.23	30.36	17.38	29.64	1975
154.39	66.17	13.88	8.12	104.08	31.82	18.55	28.51	1976
161.60	70.84	14.91	8.38	107.65	33.77	20.13	27.62	1977
176.52	75.39	16.16	8.75	118.19	36.78	22.69	31.16	1978
191.83	80.80	17.91	9.35	130.35	39.49	25.60	35.99	1979
208.61	87.44	19.37	10.56	145.47	42.89	28.46	41.23	1980
216.63	92.80	20.11	10.02	152.13	45.63	30.40	39.69	1981
224.21	95.83	20.85	9.94	153.06	47.01	31.35	35.12	1982
228.29	98.78	21.83	9.87	151.66	48.23	31.96	31.51	1983
234.29	100.22	22.71	9.96	154.70	49.27	33.94	30.54	1984
243.33	103.77	24.22	10.58	162.94	51.37	36.10	32.22	1985
254.13	108.12	25.35	11.24	172.48	54.45	37.40	35.00	1986
263.24	112.32	26.89	11.27	178.14	57.54	37.52	35.23	1987
269.13	115.49	27.93	11.42	184.12	58.90	38.56	36.16	1988
281.00	118.50	29.50	13.00	190.50	61.00	40.00	37.50	1989 ²⁾
Per Cent (Change as compared with previous year)								
+9.1	+ 9.6	•	- 0.8	+ 5.6	+ 9.0	•	- 2.4	1970
+8.8	+10.9	+ 4.5	- 0.8	+ 5.4	+10.5	+ 6.3	- 2.4	1975
+5.5	+ 6.2	+ 5.0	- 5.4	+ 2.6	+ 4.2	+ 6.2	- 3.9	1976
+4.7	+ 7.1	+ 7.4	+ 3.2	+ 3.4	+ 6.1	+ 8.5	- 3.1	1977
+9.2	+ 6.4	+ 8.4	+ 4.3	+ 8.3	+ 6.5	+11.8	+12.8	1978
+8.7	+ 7.2	+10.9	+ 6.9	+10.3	+ 7.4	+12.8	+15.5	1979
+8.7	+ 8.2	+ 8.1	+13.0	+11.6	+ 8.6	+11.2	+14.6	1980
+3.8	+ 6.1	+ 3.8	- 5.1	+ 4.6	+ 6.4	+ 6.8	- 3.7	1981
+3.5	+ 3.3	+ 3.7	- 0.8	+ 0.6	+ 3.0	+ 3.1	-11.5	1982
+1.8	+ 3.1	+ 4.7	- 0.7	- 0.9	+ 2.6	+ 2.0	-10.3	1983
+2.6	+ 1.5	+ 4.0	+ 1.0	+ 2.0	+ 2.2	+ 6.2	- 3.1	1984
+3.9	+ 3.5	+ 6.7	+ 6.1	+ 5.3	+ 4.3	+ 6.3	+ 5.5	1985
+4.4	+ 4.2	+ 4.7	+ 6.3	+ 5.9	+ 6.0	+ 3.6	+ 8.6	1986
+3.6	+ 3.9	+ 6.1	+ 0.3	+ 3.3	+ 5.7	+ 0.3	+ 0.7	1987
+2.2	+ 2.8	+ 3.9	+ 1.3	+ 3.4	+ 2.4	+ 2.8	+ 2.6	1988
+4.5	+ 2.5	+ 5.0	+12.0	+ 3.5	+ 3.0	+ 3.5	+ 4.0	1989 ²⁾

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.

Pupils and Students

Contents

Primary Level	152 to 153
Secondary Level, Stage I	154 to 155
Secondary Level, Stage II	156 to 157
Higher Education	158 to 159



International Comparison

Pupils and Students according to Countries and Levels

Year	Federal Republic of Germany	Belgium	Denmark	France	Greece	United Kingdom
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Primary Level

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

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

Pupils in Thousands

1970	4083	1044	454	5147	920	5847
1975	4024	959	491	4838	939	5780
1980	2875	857	435	4909	901	4962
1981	2685	836	432	4787	892	4739
1982	2530	812	432	4572	890	4522
1983	2441	789	427	4424	888	4369
1984	2398	784	415	4304	892	4318
1985	2360	758	403	4147	900	4337

Percentage of the Population of the Same Age

1980	99.9	103.5	97.5	116.5	•	101.3
1981	99.6	103.4	98.8	115.1	•	100.9
1982	100.7	•	99.5	112.7	105.1	101.8
1983	101.5	103.1	98.1	111.3	106.1	103.6
1984	102.3	105.0	96.6	112.0	106.4	105.5
1985	103.0	103.5	95.2	111.3	106.8	106.2

Percentage of the Total Population

1980	4.7	8.7	8.5	9.2	9.3	8.9
1981	4.4	8.5	8.4	8.9	9.2	8.5
1982	4.1	8.2	8.4	8.4	9.1	8.1
1983	4.0	8.0	8.3	8.1	9.0	7.7
1984	3.9	8.0	8.1	7.9	9.0	7.7
1985	3.9	7.7	7.9	7.5	9.1	7.7

Percentage of the Labour Force

1980	10.4	20.6	17.7	21.1	26.1	18.8
1981	9.6	20.1	16.2	20.5	24.3	18.2
1982	8.9	18.8	17.5	19.4	23.1	17.0
1983	8.6	18.3	15.6	18.6	23.3	16.3
1984	8.3	19.0	16.7	18.1	21.3	16.0
1985	8.1	18.0	14.6	17.4	23.2	15.7

International Comparison

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

Ireland	Italy	Luxembourg	Netherlands	Portugal	Spain	Year
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Primary Level

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

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

Pupils in Thousands

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

Percentage of the Population of the Same Age

•	127.7	95.0	101.5	112.2	•	1980
102.5	100.0	96.7	100.2	114.7	•	1981
•	97.0	•	100.2	•	•	1982
•	•	•	100.4	•	•	1983
•	96.4	•	101.5	•	•	1984
•	95.4	99.2	106.7	•	•	1985

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	•	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

Percentage of the Labour Force

35.1	19.5	16.8	26.4	26.5	27.7	1980
34.5	18.8	16.0	•	27.0	27.8	1981
36.5	18.3	•	•	33.8	27.5	1982
32.8	17.7	•	•	31.6	27.1	1983
31.6	16.7	•	•	32.9	26.8	1984
32.6	15.9	•	•	•	25.6	1985

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

Year	Federal Republic of Germany	Belgium	Denmark	France	Greece	United Kingdom
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Secondary Level, Stage I

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

10-16	12-15	13-16	11-15	12-15	11-14
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Pupils in Thousands

1970	4512	509	258	2772	332	2470
1975	5495	537	281	3272	374	2832
1980	5572	516	299	3250	452	2778
1981	5403	•	290	3297	459	2713
1982	5151	•	277	3349	452	2671
1983	4813	•	264	3396	441	2611
1984	4433	•	261	3459	442	2528
1985	4092	•	263	3399	•	2393

Percentage of the Population of the Same Age

1980	92.2	114.4	117.9	97.0	•	102.3
1981	92.7	•	115.0	99.1	•	101.5
1982	92.5	•	114.6	101.0	96.9	101.3
1983	92.5	•	117.1	99.4	96.5	100.1
1984	92.4	•	120.9	100.1	99.5	100.2
1985	93.2	•	121.5	98.1	•	100.1

Percentage of the Total Population

1980	9.1	5.2	5.8	6.1	4.7	5.0
1981	8.8	•	5.7	6.1	4.7	4.9
1982	8.4	•	5.4	6.2	4.6	4.8
1983	7.8	•	5.2	6.2	4.5	4.6
1984	7.2	•	5.1	6.3	4.4	4.5
1985	6.7	•	5.1	6.2	•	4.2

Percentage of the Labour Force

1980	20.2	12.4	12.2	14.0	13.1	10.5
1981	19.3	•	10.8	14.1	12.5	10.4
1982	18.2	•	11.2	14.2	12.1	10.1
1983	16.9	•	9.7	14.3	11.6	9.8
1984	15.3	•	10.5	14.5	10.6	9.4
1985	14.1	•	9.6	14.2	•	8.7

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

Ireland	Italy	Luxembourg ¹⁾	Netherlands	Portugal	Spain	Year
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Secondary Level, Stage I

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

12-15	11-14	12-15	12-15	12-15	11-14
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Pupils in Thousands

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

Percentage of the Population of the Same Age

1980	•	104.9	98.8	139.8	53.4	•	1980
1981	100.0	105.2	101.9	141.2	52.4	•	1981
1982	•	105.0	•	140.1	•	•	1982
1983	•	•	87.8	138.3	•	•	1983
1984	•	104.1	83.3	136.4	•	•	1984
1985	•	104.0	94.2	137.4	•	•	1985

Percentage of the Total Population

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

Percentage of the Labour Force

1980	16.3	12.7	9.9	19.2	6.7	15.0	1980
1981	16.2	12.4	9.9	•	6.1	14.9	1981
1982	17.3	12.4	•	•	8.2	14.7	1982
1983	15.9	12.3	•	•	8.7	14.8	1983
1984	15.6	11.9	•	•	9.2	16.5	1984
1985	16.1	11.8	•	•	•	•	1985

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

Year	Federal Republic of Germany	Belgium	Denmark	France	Greece	United King dom
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Secondary Level, Stage II

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

16-19	15-18	16-19	15-18	15-18	14-18
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Pupils in Thousands

1970	2225	224	123	1498	222	1741
1975	2539	281	145	1709	305	2418
1980	3112	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

Percentage of the Population of the Same Age

1980	99.0	69.5	85.7	72.6	•	70.7
1981	98.6	•	86.7	77.6	•	72.0
1982	98.9	•	88.2	79.4	65.9	72.1
1983	100.8	•	87.7	75.4	74.6	71.4
1984	104.3	•	87.9	77.3	77.2	71.1
1985	107.7	•	90.4	79.8	•	72.0

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

Percentage of the Labour Force

1980	11.6	8.0	8.1	8.1	8.3	10.1
1981	11.7	•	7.8	8.6	8.7	10.4
1982	11.9	•	8.8	8.7	8.1	10.2
1983	12.1	•	8.2	8.2	9.2	9.9
1984	12.1	•	8.9	8.3	8.7	9.6
1985	12.1	•	8.1	8.5	•	9.3

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

Ireland	Italy	Luxem- bourg	Nether- lands	Portugal	Spain	Year
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Secondary Level, Stage II

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

15-17	14-19	15-19	15-18	15-18	14-18
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Pupils in Thousands

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

Percentage of the Population of the Same Age

•	53.3	44.4	52.2	32.1	•	1980
78.8	53.0	44.8	54.5	39.4	•	1981
•	53.6	•	58.6	•	•	1982
•	•	50.2	63.9	•	•	1983
•	54.8	51.4	67.7	•	•	1984
•	56.7	53.1	69.5	•	•	1985

Percentage of the Total Population

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

Percentage of the Labour Force

8.3	10.8	6.2	7.4	4.1	14.8	1980
8.6	10.7	6.2	•	4.7	15.7	1981
9.5	10.9	•	•	5.9	16.0	1982
8.9	11.1	•	•	6.8	16.6	1983
9.0	11.0	•	•	6.2	15.7	1984
9.6	11.3	•	•	•	15.8	1985

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

Year	Federal Republic of Germany	Belgium	Denmark	France	Greece	United Kingdom
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	672	125	94	766	86	457
1975	1035	158	16	942	117	516
1980	1212	197	106	1024	121	535
1981	1312	202	107	1151	125	556
1982	1392	207	111	1174	137	568
1983	1458	212	113	1118	149	581
1984	1503	218	115	1249	168	590
1985	1530	247	116	1279	•	600
Percentage of the Population of the Same Age						
1980	18.9	17.8	20.3	17.3	•	9.1
1981	19.7	18.2	20.5	19.5	•	9.2
1982	20.3	•	21.2	19.8	13.9	9.3
1983	20.8	18.9	21.4	18.6	14.8	9.1
1984	21.0	19.7	21.4	20.7	16.4	9.0
1985	21.0	22.6	21.3	21.2	•	9.1
Percentage of the Total Population						
1980	2.0	2.0	2.1	1.9	1.3	1.0
1981	2.1	2.0	2.1	2.8	1.3	1.0
1982	2.3	2.1	2.2	2.2	1.4	1.0
1983	2.4	2.2	2.2	2.1	1.5	1.0
1984	2.5	2.2	2.2	2.3	1.7	1.0
1985	2.5	2.5	2.3	2.3	•	1.1
Percentage of the Labour Force						
1980	4.4	4.7	4.3	4.4	3.5	2.0
1981	4.7	4.9	4.0	6.5	3.4	2.1
1982	4.9	4.8	4.5	5.0	3.7	2.1
1983	5.1	4.9	4.1	4.7	3.9	2.2
1984	5.2	5.3	4.6	5.2	4.0	2.2
1985	5.3	5.9	4.2	5.4	•	2.2

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

Ireland	Italy	Luxembourg	Netherlands	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						
1970	26	687	1	175	68	352
1975	33	944	1	234	85	539
1980	42	1055	1	285	91	681
1981	45	1032	1	288	95	704
1982	48	1030	1	297	99	731
1983	50	1063	1	301	106	780
1984	52	1115	1	307	118	857
1985	55	1118	•	308	•	935
Percentage of the Population of the Same Age						
1980	•	18.3	5.8	16.9	6.9	•
1981	10.8	17.7	5.8	16.8	7.6	•
1982	•	17.6	•	17.1	•	•
1983	•	•	5.7	17.2	•	•
1984	•	17.8	5.7	17.4	•	•
1985	•	17.4	•	17.5	•	•
Percentage of the Total Population						
1980	1.2	1.9	0.3	2.0	1.0	1.8
1981	1.3	1.8	0.3	2.0	1.0	1.9
1982	1.4	1.8	•	2.1	1.0	1.9
1983	1.4	1.9	0.3	2.1	1.1	2.0
1984	1.5	2.0	0.3	2.1	1.2	2.2
1985	1.6	2.0	•	2.1	•	2.5
Percentage of the Labour Force						
1980	3.4	4.6	0.6	5.4	2.1	5.1
1981	3.6	4.5	0.6	•	2.2	5.3
1982	4.1	4.5	•	•	2.6	5.4
1983	3.8	4.6	•	•	2.7	5.7
1984	3.8	4.8	•	•	3.0	6.3
1985	4.2	4.8	•	•	•	6.7