

Appendix table 1-5

**Average mathematics score of students in grades 4, 8, and 12, by student characteristics:
Selected years, 1990–2003**

Student characteristic	Accommodations not permitted				Accommodations permitted		
	1990	1992	1996	2000	1996	2000	2003
Grade 4	213	220	224	228	224	226	235
Sex							
Male	214	221	226	229	224	227	236
Female	213	219	222	226	223	224	233
Race/ethnicity							
White, non-Hispanic	220	227	231	235	232	234	243
Black, non-Hispanic	188	193	199	204	198	203	216
Hispanic	200	202	205	209	207	208	222
Asian/Pacific Islander ^a	225	231	226	NA	229	NA	246
American Indian/ Alaska Native	—	—	—	212	217	208	223
Free/reduced-price lunch ^b							
Eligible	NA	NA	207	210	207	208	222
Not eligible	NA	NA	231	236	232	235	244
Score percentile							
10th	171	177	182	186	182	184	197
25th	193	199	204	208	203	205	216
50th	214	221	226	230	225	227	236
75th	235	242	246	250	245	248	255
90th	253	259	262	266	262	265	270
Grade 8	263	268	272	275	270	273	278
Sex							
Male	263	268	272	277	271	274	278
Female	262	269	272	274	269	272	277
Race/ethnicity							
White, non-Hispanic	270	277	281	285	281	284	288
Black, non-Hispanic	237	237	242	246	240	244	252
Hispanic	246	249	251	253	251	253	259
Asian/Pacific Islander ^a	275	290	NA	278	NA	288	291
American Indian/ Alaska Native	—	—	—	255	—	259	263
Free/reduced-price lunch ^b							
Eligible	NA	NA	252	255	250	253	259
Not eligible	NA	NA	280	285	277	283	287
Score percentile							
10th	215	221	224	227	221	223	230
25th	239	243	248	252	245	249	254
50th	264	269	273	277	273	275	279
75th	288	294	298	301	297	300	303
90th	307	315	317	321	316	320	323

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**Average mathematics score of students in grades 4, 8, and 12, by student characteristics:
Selected years, 1990–2003**

Student characteristic	Accommodations not permitted				Accommodations permitted		
	1990	1992	1996	2000	1996	2000	2003
Grade 12 ^c	294	299	304	301	302	300	NA
Sex							
Male	297	301	305	303	303	302	NA
Female	291	298	303	299	300	299	NA
Race/ethnicity							
White, non-Hispanic	301	306	311	308	309	307	NA
Black, non-Hispanic	268	276	280	274	276	273	NA
Hispanic	276	284	287	283	284	281	NA
Asian/Pacific Islander	311	316	319	319	310	317	NA
American Indian/ Alaska Native	—	—	279	293	—	292	NA
Free/reduced-price lunch ^b							
Eligible	NA	NA	281	280	NA	NA	NA
Not eligible	NA	NA	307	305	NA	NA	NA
Score percentile							
10th	247	254	261	255	NA	NA	NA
25th	270	276	282	277	NA	NA	NA
50th	296	301	305	302	NA	NA	NA
75th	319	324	327	326	NA	NA	NA
90th	339	343	345	346	NA	NA	NA

— = sample size insufficient to permit reliable estimate; NA = not available

^aSpecial analyses raised concerns about accuracy and precision of national grade 8 Asian/Pacific Islander results in 1996 and grade 4 Asian/Pacific Islander results in 2000. Therefore, they are omitted from National Center for Education Statistics (NCES) reports and this report.

^bInformation on student's eligibility for free/reduced-price lunch first gathered in 1996.

^cGrade 12 was not assessed in 2003.

NOTES: Scores on 0–500 scale across grades. The National Assessment of Educational Progress (NAEP) is in the process of changing the way it includes students with disabilities and limited English proficiency in assessments. Before 1996, these students were not allowed to use testing accommodations (e.g., extended time, one-on-one testing, bilingual dictionary). In 1996 and 2000, the assessment was administered to split samples: accommodations not permitted and accommodations permitted. In 2003, the NAEP mathematics assessment completed the transition to an accommodations-permitted test. Includes students in both public and private schools.

SOURCES: U.S. Department of Education, NCES, *The Nation's Report Card: Mathematics Highlights 2003*, NCES 2004-451 (2003); *The Nation's Report Card: Mathematics 2000*, NCES 2001-517 (2001); and data from NCES, NAEP, 1990, 1992, 1996, 2000, and 2003 mathematics assessments.

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