

Appendix table 1-5

(Page 1 of 2)

Average mathematics score of students in grades 4, 8, and 12, by student characteristics: Selected years, 1990–2005

Grade/student characteristic	1990	1992	1996	2000	2003	2005
All grade 4 students.....	213	220	224	226	235	238
Sex						
Male.....	214	221	224	227	236	239
Female.....	213	219	223	224	233	237
Race/ethnicity						
White, non-Hispanic.....	220	227	232	234	243	246
Black, non-Hispanic.....	188	193	198	203	216	220
Hispanic.....	200	202	207	208	222	226
Asian/Pacific Islander ^a	NA	231	229	NA	246	251
American Indian/Alaska Native ^b	NA	NA	NA	NA	223	226
Free/reduced-price lunch ^c						
Eligible.....	NA	NA	207	208	222	225
Not eligible.....	NA	NA	232	235	244	248
Percentile score						
10th.....	171	177	182	184	197	200
25th.....	193	199	203	205	216	220
50th.....	214	221	225	227	236	239
75th.....	235	242	245	248	255	258
90th.....	253	259	262	265	270	273
All grade 8 students.....	263	268	270	273	278	279
Sex						
Male.....	263	268	271	274	278	280
Female.....	262	269	269	272	277	278
Race/ethnicity						
White, non-Hispanic.....	270	277	281	284	288	289
Black, non-Hispanic.....	237	237	240	244	252	255
Hispanic.....	246	249	251	253	259	262
Asian/Pacific Islander ^a	NA	290	NA	288	291	295
American Indian/Alaska Native ^b	NA	NA	NA	NA	263	264
Free/reduced-price lunch ^c						
Eligible.....	NA	NA	250	253	259	262
Not eligible.....	NA	NA	277	283	287	288
Percentile score						
10th.....	215	221	221	223	230	231
25th.....	239	243	245	249	254	255
50th.....	264	269	273	275	279	280
75th.....	288	294	297	300	303	304
90th.....	307	315	316	320	323	324

Appendix table 1-5

(Page 2 of 2)

Average mathematics score of students in grades 4, 8, and 12, by student characteristics: Selected years, 1990–2005

Grade/student characteristic	1990	1992	1996	2000	2003	2005
All grade 12 students ^d	NA	NA	NA	NA	NA	150
Sex						
Male.....	NA	NA	NA	NA	NA	151
Female.....	NA	NA	NA	NA	NA	149
Race/ethnicity						
White, non-Hispanic.....	NA	NA	NA	NA	NA	157
Black, non-Hispanic.....	NA	NA	NA	NA	NA	127
Hispanic.....	NA	NA	NA	NA	NA	133
Asian/Pacific Islander.....	NA	NA	NA	NA	NA	163
American Indian/Alaska Native.....	NA	NA	NA	NA	NA	134
Percentile score						
10th.....	NA	NA	NA	NA	NA	105
25th.....	NA	NA	NA	NA	NA	127
50th.....	NA	NA	NA	NA	NA	151
75th.....	NA	NA	NA	NA	NA	174
90th.....	NA	NA	NA	NA	NA	194

NA = not available

^aInsufficient sample size in 1990 for Asian/Pacific Islanders precluded calculation of reliable estimates. Special 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 omitted from National Center for Education Statistics (NCES) reports and this report.

^bInsufficient sample sizes in 1990, 1992, 1996, and 2000 for grade 4 and 8 American Indians/Alaska Natives precluded calculation of reliable estimates.

^cInformation on student's eligibility for free/reduced-price lunch first gathered in 1996 for grades 4 and 8 and not available for grade 12.

^d2005 grade 12 mathematics assessment not comparable with previous assessments; therefore mathematics trend information for grade 12 not available. For results from previous grade 12 mathematics assessments see NCES, *The Nation's Report Card: Mathematics 2000*, NCES 2001-517 (2001).

NOTES: For grades 4 and 8, scores on 0–500 scale across two grades. For grade 12, scores on 0–300 scale. National Assessment of Educational Progress (NAEP) recently changed way it includes students with disabilities and limited English proficiency in assessments. Before 1996, these students not allowed to use testing accommodations (e.g., extended time, one-on-one testing, bilingual dictionary). In 1996 and 2000, assessment administered to split samples: accommodations not permitted and accommodations permitted. Results in this table for 1996 and 2000 for sample allowed to use accommodations. In 2003, NAEP mathematics assessment completed transition to an accommodations-permitted test.

SOURCES: NCES, *The Nation's Report Card: Mathematics 2005*, NCES 2006-453 (2006); NCES, *The Nation's Report Card: 12th-Grade Reading and Mathematics 2005*, NCES 2007-468 (2007b); NAEP, 1990, 1996, 2003, and 2005 mathematics assessments; and National Science Foundation, Division of Science Resources Statistics, special tabulations.