

Appendix table 1-2

Average NAEP mathematics scores of students in grades 4 and 8, by student and school characteristics: 1990–2011

Grade/student and school characteristic	1990	1992	1996	2000	2003	2005	2007	2009	2011
All grade 4 students	213	220	224	226	235	238	240	240	241
Sex									
Male	214	221	224	227	236	239	241	241	241
Female	213	219	223	224	233	237	239	239	240
Race or ethnicity ^a									
American Indian or Alaska Native	S	S	217	208	223	226	228	225	225
Asian or Pacific Islander	225	231	229	S	246	251	253	255	256
Black	188	193	198	203	216	220	222	222	224
Hispanic ^b	200	202	207	208	222	226	227	227	229
White	220	227	232	234	243	246	248	248	249
Sex by race or ethnicity ^a									
Male									
American Indian or Alaska Native	S	S	S	S	224	228	228	226	225
Asian or Pacific Islander	S	231	229	S	248	252	255	255	255
Black	187	193	197	203	216	219	221	222	223
Hispanic ^b	200	201	208	207	223	227	228	228	230
White	221	229	233	237	245	248	250	249	250
Female									
American Indian or Alaska Native	S	S	S	S	222	225	227	224	225
Asian or Pacific Islander	S	231	229	S	245	250	252	255	256
Black	188	193	199	204	216	220	223	223	225
Hispanic ^b	200	204	207	208	220	224	226	227	228
White	219	226	231	232	242	245	247	247	248
Free/reduced-price lunch ^c									
Eligible	NA	NA	207	208	222	225	227	227	229
Not eligible	NA	NA	232	235	244	248	249	250	252
English language learner status ^d									
English language learner	S	S	201	199	214	216	217	218	219
Not English language learner	S	S	225	227	237	240	242	242	243
Student disability status ^d									
Has a disability	S	S	204	198	214	219	220	221	218
Does not have a disability	S	S	225	228	237	240	242	242	244
Score at percentile ^e									
10th	171	177	182	184	197	200	202	202	203
25th	193	199	203	205	216	220	222	221	222
50th	214	221	225	227	236	239	242	241	242
75th	235	242	245	248	255	258	260	260	261
90th	253	259	262	265	270	273	275	275	276
School type									
Public	212	219	222	224	234	237	239	239	240
Charter school ^f	NA	NA	NA	NA	228	232	234	231	237
Noncharter school	NA	NA	NA	NA	235	238	240	240	241
Private	224	228	235	238	244	S	246	246	247
All grade 8 students	263	268	270	273	278	279	281	283	284
Sex									
Male	263	268	271	274	278	280	282	284	284
Female	262	269	269	272	277	278	280	282	283
Race or ethnicity ^a									
American Indian or Alaska Native	S	S	S	259	263	264	264	266	265
Asian or Pacific Islander	275	290	S	288	291	295	297	301	303
Black	237	237	240	244	252	255	260	261	262
Hispanic ^b	246	249	251	253	259	262	265	266	270
White	270	277	281	284	288	289	291	293	293
Sex by race or ethnicity ^a									
Male									
American Indian or Alaska Native	S	S	S	261	264	266	264	267	265

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Grade/student and school characteristic	1990	1992	1996	2000	2003	2005	2007	2009	2011
Asian or Pacific Islander	273	290	S	287	291	296	297	301	302
Black	236	237	241	243	252	254	259	260	261
Hispanic ^b	247	250	253	253	260	263	265	268	271
White	271	276	281	285	289	289	293	294	295
Female									
American Indian or Alaska Native	S	S	S	257	262	262	263	264	266
Asian or Pacific Islander	S	290	S	290	291	294	297	300	303
Black	238	237	239	245	253	255	260	262	264
Hispanic ^b	244	248	249	252	258	261	264	265	270
White	269	277	280	283	287	288	290	292	292
Free/reduced-price lunch ^c									
Eligible	NA	NA	250	253	259	262	265	266	269
Not eligible	NA	NA	277	283	287	288	291	294	296
English language learner status ^d									
English language learner	S	S	226	234	242	244	246	243	244
Not English language learner	S	S	272	274	279	281	283	285	286
Student disability status ^d									
Has a disability	S	S	231	230	242	245	246	249	250
Does not have a disability	S	S	273	276	282	283	285	287	288
Score at percentile ^e									
10th	215	221	221	223	230	231	235	236	237
25th	239	243	245	249	254	255	258	259	260
50th	264	269	273	275	279	280	283	284	285
75th	288	294	297	300	303	304	306	308	309
90th	307	315	316	320	323	324	327	329	329
Type of school									
Public	262	267	269	272	276	278	280	282	283
Charter school ^f	NA	NA	NA	NA	NA	268	273	275	281
Noncharter school	NA	NA	NA	NA	NA	279	281	283	284
Private	271	281	285	286	292	S	293	296	296

NA = not available; S = suppressed, estimate unreliable.

NAEP = National Assessment of Educational Progress.

^aOther racial and ethnic groups are included in the rows for All grade 4 students and All grade 8 students but are not shown separately in the table.

^bHispanic may be any race. American Indian or Alaska Native, Asian, black or African American, Native Hawaiian or Other Pacific Islander, white, and more than one race refer to individuals who are not of Hispanic origin.

^cInformation on students' eligibility for free/reduced-price lunch, a measure of family poverty, was first collected in 1996.

^dFrom 1996 on, students with a disability and English language learners were allowed to use testing accommodation (e.g., extended time, one-on-one testing, bilingual dictionary). More information about testing accommodation is available at <http://nces.ed.gov/nationsreportcard/about/inclusion.asp>.

^eScores for percentile rows are not averages but the actual scores that mark each percentile listed. For example, a score at the 10th percentile indicates that 10% of students perform at or below this score.

^fInformation on charter school status was first collected in 2003 for grade 4 and in 2005 for grade 8.

NOTES: NAEP grade 4 and grade 8 mathematics assessment scores range from 0 to 500. From 1996 on, data shown here are for students allowed to use testing accommodations.

SOURCE: National Science Foundation, National Center for Science and Engineering Statistics, special tabulations (2012) of NAEP 1990, 1992, 1996, 2000, 2003, 2005, 2007, 2009, and 2011 mathematics assessments, National Center for Education Statistics.