

Appendix table 1-3

Students in grades 4 and 8 scoring at or above NAEP's proficient level in mathematics for their grade, by student and school characteristics: 1990–2011

(Percent)

Grade/student and school characteristic	1990	1992	1996	2000	2003	2005	2007	2009	2011
All grade 4 students	12.7	17.9	20.8	23.8	32.5	36.3	39.4	39.1	40.5
Sex									
Male	13.2	19.5	21.5	25.9	34.9	38.4	41.5	40.9	41.8
Female	12.2	16.2	20.0	21.6	29.9	34.2	37.3	37.2	39.1
Race or ethnicity ^a									
American Indian or Alaska Native	S	S	10.1	8.2	16.8	20.9	24.8	21.2	22.4
Asian or Pacific Islander	22.4	27.7	27.2	S	48.3	54.6	58.4	60.3	62.1
Black	1.1	2.5	3.1	4.7	9.9	12.8	15.4	15.9	17.4
Hispanic ^b	4.8	5.6	7.2	7.2	15.6	19.5	22.0	21.6	23.9
White	15.9	22.4	27.0	31.3	42.9	47.2	50.9	50.7	52.1
Sex by race or ethnicity ^a									
Male									
American Indian or Alaska Native	S	S	S	S	17.2	22.7	25.4	21.8	23.9
Asian or Pacific Islander	S	28.6	25.6	S	50.3	55.5	60.9	60.5	61.7
Black	0.8	3.4	3.3	4.0	10.2	12.8	15.0	15.9	17.2
Hispanic ^b	6.2	5.0	8.6	7.0	17.6	21.5	23.8	23.2	25.4
White	16.5	24.3	28.3	34.8	45.8	49.8	53.6	53.0	54.0
Female									
American Indian or Alaska Native	S	S	S	S	16.4	19.2	24.1	20.6	20.8
Asian or Pacific Islander	S	26.9	28.7	S	46.1	53.7	56.1	60.1	62.5
Black	1.4	1.6	2.9	5.4	9.6	12.8	15.7	16.0	17.6
Hispanic ^b	2.8	6.2	5.9	7.4	13.5	17.5	20.2	19.9	22.3
White	15.2	20.4	25.8	27.6	39.9	44.6	48.0	48.2	50.1
Free/reduced-price lunch ^c									
Eligible	NA	NA	7.5	7.6	15.2	19.1	21.5	21.7	23.9
Not eligible	NA	NA	27.5	32.0	44.7	49.4	52.8	53.9	56.7
English language learner status ^d									
English language learner	S	S	4.2	3.8	9.3	11.4	12.9	12.0	13.8
Not English language learner	S	S	21.6	25.0	34.7	38.7	42.2	41.9	43.6
Student disability status ^d									
Has a disability	S	S	5.1	6.4	12.6	16.0	19.3	19.1	17.1
Does not have a disability	S	S	22.1	25.5	34.8	38.8	41.8	41.6	43.4
School type									
Public	11.8	17.3	19.4	22.5	31.2	35.3	38.6	38.4	39.7
Charter school ^e	NA	NA	NA	NA	25.3	29.1	31.9	28.3	33.8
Noncharter school	NA	NA	NA	NA	32.6	36.4	39.6	39.3	40.6
Private	20.1	22.5	31.5	35.2	44.4	S	47.9	47.2	49.5
All grade 8 students	15.3	20.9	23.3	25.7	28.8	29.8	32.2	33.9	34.7
Sex									
Male	16.8	21.3	24.7	27.4	30.3	31.1	34.2	35.6	35.7
Female	13.7	20.6	21.8	23.9	27.1	28.4	30.2	32.1	33.7
Race or ethnicity ^a									
American Indian or Alaska Native	S	S	S	9.8	14.6	13.9	16.3	18.2	17.1
Asian or Pacific Islander	28.9	43.3	S	40.6	43.0	47.3	49.6	53.8	55.3
Black	4.7	2.5	3.8	5.2	7.3	8.7	11.0	12.3	13.3
Hispanic ^b	7.0	6.8	7.8	8.4	11.7	13.4	15.4	17.2	20.3
White	18.2	26.0	30.2	33.8	37.5	38.6	41.8	43.6	44.4
Sex by race or ethnicity ^a									
Male									
American Indian or Alaska Native	S	S	S	15.0	17.5	14.9	17.5	19.5	17.6
Asian or Pacific Islander	30.7	44.2	S	39.2	43.4	48.2	50.5	55.2	53.4
Black	3.8	2.7	3.5	5.5	7.9	8.9	11.4	12.1	12.8
Hispanic ^b	8.7	8.7	9.2	8.8	13.3	14.6	16.9	19.0	21.2
White	20.1	26.2	31.3	36.1	39.1	39.9	44.2	45.5	45.9

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Students in grades 4 and 8 scoring at or above NAEP's proficient level in mathematics for their grade, by student and school characteristics: 1990–2011

(Percent)

Grade/student and school characteristic	1990	1992	1996	2000	2003	2005	2007	2009	2011
Female									
American Indian or Alaska Native	S	S	S	4.0	11.7	12.9	15.0	16.8	16.5
Asian or Pacific Islander	S	42.2	S	42.1	42.6	46.4	48.7	52.3	57.2
Black	5.5	2.2	4.0	4.8	6.7	8.4	10.7	12.6	13.9
Hispanic ^b	5.3	5.0	6.4	8.0	10.1	12.3	13.8	15.4	19.3
White	16.1	25.8	29.0	31.5	35.8	37.3	39.4	41.6	42.8
Free/reduced-price lunch ^c									
Eligible	NA	NA	8.5	9.4	12.1	13.4	15.4	16.7	18.8
Not eligible	NA	NA	28.3	33.7	37.2	38.8	42.1	44.8	47.3
English language learner status ^d									
English language learner	S	S	1.5	2.0	4.7	5.9	7.0	5.0	5.0
Not English language learner	S	S	23.8	26.4	30.0	31.1	33.7	35.4	36.4
Student disability status ^d									
Has a disability	S	S	2.6	4.1	6.2	7.2	8.1	9.2	9.2
Does not have a disability	S	S	24.8	27.3	31.4	32.2	34.5	36.5	37.6
Type of school									
Public	15.1	19.7	22.1	24.7	27.3	S	31.0	32.6	33.5
Charter school ^e	NA	NA	NA	NA	NA	20.8	25.3	26.2	30.7
Noncharter school	NA	NA	NA	NA	NA	29.9	32.3	34.1	34.8
Private	S	30.9	33.8	36.0	42.7	S	44.7	47.4	47.8

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

NAEP = National Assessment of Educational Progress.

^a Other 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.^b Hispanic 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.^c Information on students' eligibility for free/reduced-price lunch, a measure of family poverty, was first collected in 1996.^d From 1996 on, students with a disability and English language learners were allowed to use testing accommodations (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>.^e Information on charter school status was first collected in 2003 for grade 4 and in 2005 for grade 8.

NOTE: 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.