

Appendix table 1-6

**Students in grades 4, 8, and 12 scoring at or above proficient level in mathematics for their grade, by student characteristics: Selected years, 1990–2005**

(Percent)

Grade/student characteristic	1990	1992	1996	2000	2003	2005
All grade 4 students.....	13	18	21	24	32	36
Sex						
Male.....	13	19	22	26	35	38
Female.....	12	16	20	22	30	34
Race/ethnicity						
White, non-Hispanic.....	16	22	27	31	43	47
Black, non-Hispanic.....	1	2	3	5	10	13
Hispanic.....	5	6	7	7	16	19
Asian/Pacific Islander <sup>a</sup> .....	NA	28	27	NA	48	55
American Indian/Alaska Native <sup>b</sup> .....	NA	NA	NA	NA	17	21
Free/reduced-price lunch <sup>c</sup>						
Eligible.....	NA	NA	8	8	15	19
Not eligible.....	NA	NA	27	32	45	49
All grade 8 students.....	15	21	23	26	29	30
Sex						
Male.....	17	21	25	27	30	31
Female.....	14	21	22	24	27	28
Race/ethnicity						
White, non-Hispanic.....	18	26	30	34	37	39
Black, non-Hispanic.....	5	2	4	5	7	9
Hispanic.....	7	7	8	8	12	13
Asian/Pacific Islander <sup>a</sup> .....	NA	43	NA	41	43	47
American Indian/Alaska Native <sup>b</sup> .....	NA	NA	NA	NA	15	14
Free/reduced-price lunch <sup>c</sup>						
Eligible.....	NA	NA	8	9	12	19
Not eligible.....	NA	NA	28	34	37	39
All grade 12 students <sup>d</sup> .....	NA	NA	NA	NA	NA	23
Sex						
Male.....	NA	NA	NA	NA	NA	25
Female.....	NA	NA	NA	NA	NA	21
Race/ethnicity						
White, non-Hispanic.....	NA	NA	NA	NA	NA	29
Black, non-Hispanic.....	NA	NA	NA	NA	NA	6
Hispanic.....	NA	NA	NA	NA	NA	8
Asian/Pacific Islander.....	NA	NA	NA	NA	NA	36
American Indian/Alaska Native.....	NA	NA	NA	NA	NA	6

NA = not available

<sup>a</sup>Insufficient sample size in 1990 for Asian/Pacific Islanders precluded calculation of reliable estimates. Special analyses raised concerns about accuracy and precision of 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.

<sup>b</sup>Insufficient sample sizes in 1990, 1992, 1996, and 2000 for grade 4 and 8 American Indians/Alaska Natives precluded calculation of reliable estimates.

<sup>c</sup>Information on student's eligibility for free/reduced-price lunch first gathered in 1996 for grades 4 and 8 and not available for grade 12.

<sup>d</sup>The 2005 grade 12 mathematics assessment not comparable to 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.