

Table C-1

NAEP Achievement Level Standard Errors (At or Above Proficient) by State, Subject, Grade, and Year

State	Mathematics Grade 4		Mathematics Grade 8			Science Grade 8
	1992	1996	1990	1992	1996	1996
U.S.♦	1.0	0.9	1.1	1.0	1.1	1.2
Alabama	1.2	1.1	0.7	0.9	1.8	1.5
Alaska	▲	1.2*	▲	▲	1.6*	1.6*
Arizona	0.9	1.6	0.9	1.3	1.2	1.7
Arkansas	0.7	1.4*	0.7	0.8	1.0*	1.5*
California	1.2	1.5	1.1	1.3	1.5	1.7
Colorado	1.0	1.3	1.0	1.2	1.3	1.2
Connecticut	1.4	1.7	0.9	1.1	1.5	1.7
Delaware	0.9	1.2	0.8	1.0	1.0	1.0
District of Columbia	0.3	0.5	0.6	0.9	0.8	0.9
Florida	1.4	1.1	0.9	1.2	1.3	1.6
Georgia	1.2	1.3	1.2	0.9	1.8	1.7
Hawaii	0.9	1.1	0.7	0.7	0.9	1.0
Idaho	1.0	▲	1.1	1.2	▲	▲
Illinois	▲	▲	▲	▲	▲	▲
Indiana	1.1	1.6	1.1	1.2	1.7	1.9
Iowa	1.2	1.4*	1.4	1.3	1.8*	1.6*
Kansas	▲	▲	▲	▲	▲	▲
Kentucky	1.2	1.1	0.8	1.1	1.2	1.3
Louisiana	0.8	0.9	0.6	1.0	1.1	1.2
Maine	1.5	1.4	▲	1.5	1.7	1.8
Maryland	1.2	1.7	1.2	1.2	2.3*	1.8*

Table C-1 cont.

State	Mathematics Grade 4		Mathematics Grade 8			Science Grade 8
	1992	1996	1990	1992	1996	1996
Massachusetts	1.5	1.9	▲	1.3	1.8	1.7
Michigan	1.7	1.5*	1.2	1.5	1.8*	2.0*
Minnesota	1.3	1.5	1.2	1.2	1.8	1.7
Mississippi	0.6	0.9	▲	0.7	0.8	1.0
Missouri	1.3	1.3	▲	1.2	1.4	1.3
Montana	▲	1.6*	1.4	▲	1.5*	2.1*
Nebraska	1.6	1.4	1.2	1.6	1.5	1.5
Nevada	▲	1.2*	▲	▲	●	●
New Hampshire	1.6	▲	1.2	1.4	●	●
New Jersey	1.5	1.7*	1.1	1.3	●	●
New Mexico	1.3	1.2	0.9	0.8	1.1	0.7
New York	1.3	1.2*	0.9	1.3	1.5*	1.7*
North Carolina	0.8	1.3	0.7	1.0	1.3	1.4
North Dakota	1.1	1.3	1.8	1.6	1.5	1.5
Ohio	1.2	▲	1.1	1.3	▲	▲
Oklahoma	1.2	▲	1.2	1.1	▲	▲
Oregon	▲	1.3	1.1	▲	1.6	1.8
Pennsylvania	1.5	1.5*	1.3	1.5	▲	▲
Rhode Island	1.1	1.3	0.7	1.1	1.3	1.5
South Carolina	1.1	1.3*	▲	1.0	1.2*	1.4*
South Dakota	▲	▲	▲	▲	▲	▲
Tennessee	1.0	1.5	▲	1.0	1.3	1.7

Table C-1 cont.

NAEP Achievement Level Standard Errors (At or Above Proficient) by State, Subject, Grade, and Year

State	Mathematics Grade 4		Mathematics Grade 8			Science Grade 8
	1992	1996	1990	1992	1996	1996
Texas	1.2	1.5	1.1	1.2	1.5	1.5
Utah	1.1	1.3	▲	1.0	1.3	1.2
Vermont	▲	1.1*	▲	▲	1.4*	1.6*
Virginia	1.5	1.5	1.6	1.1	1.2	2.1
Washington	▲	1.2	▲	▲	1.2	1.6
West Virginia	0.9	1.2	0.8	0.8	0.9	1.1
Wisconsin	1.4	1.3	1.4	1.4	2.0*	1.9*
Wyoming	1.1	1.2	0.9	1.1	1.0	1.3
American Samoa	▲	▲	▲	▲	▲	▲
Guam	0.5	0.5	0.4	0.6	0.8	1.0
Northern Marianas	▲	▲	▲	▲	▲	▲
Puerto Rico	▲	▲	▲	▲	▲	▲
Virgin Islands	▲	▲	0.3	0.3	▲	▲

◆ U.S. data include public and nonpublic school students, while state data include public school students only.

▲ State did not participate in the NAEP assessment at this grade, in this subject, in this year.

* State did not satisfy one of the NAEP guidelines for school sample participation rates.

● State did not meet the minimum school participation guidelines for public schools; therefore, results were not released by the National Center for Education Statistics.

Sources:Reese, C.M., Miller, K.E., Mazzeo, J., & Dossey, J.A. (1997, February). *NAEP 1996 mathematics report card for the nation and the states*. Washington, DC: National Center for Education Statistics.Reese, C.M., Jerry, L., & Ballator, N. (1997, June). *NAEP 1996 mathematics state report for [name of state]*. Washington, DC: National Center for Education Statistics.National Center for Education Statistics, National Assessment of Educational Progress (NAEP). *1996 Science assessment*, as shown in: Bourque, M.L., Champagne, A.B., & Crissman, S. (1997, October). *1996 Science performance standards: Achievement results for the nation and the states*. Washington, DC: National Assessment Governing Board.

NAEP Achievement Level Standard Errors (At or Above Proficient)
Grade 4 Mathematics, 1996 – by State and by Subgroup

Table C-2

State	All students	Sex		Race/ethnicity				Parents' highest level of education				School location			Poverty measure		
	Male	Female	American Indian/Alaskan Native	Asian/Pacific Islander	Black	Hispanic	White	Less than high school	High school graduate	Some education beyond high school	College graduate	Central city	Urban fringe/large town	Rural/small town	Eligible for free/reduced-price lunch	Not eligible for free/reduced-price lunch	
U.S.♦	0.9	1.1	1.1	2.5	5.3	1.4	1.0	1.2	1.8	1.9	2.8	1.6	1.4 ⁺	1.8 ⁺	2.2 ⁺	1.1	1.3
Alabama	1.1	1.3	1.2	****	****	0.6	1.9	1.6	1.3	1.4	2.7	2.1	2.5	1.8	1.4	0.7	1.9
Alaska*	1.2	1.6	1.5	1.7	4.3	2.2	2.4	1.7	4.1	3.0	3.8	2.1	2.4	***	1.3	1.7	2.3
Arizona	1.6	2.2	1.5	2.7	****	****	1.3	2.1	1.7	2.7	4.3	2.9	2.0	3.2	2.8	1.0	2.3
Arkansas*	1.4	1.7	1.6	2.5	****	0.9	1.6	1.8	2.6	2.2	3.9	2.5	3.1	2.6	1.8	0.9	1.9
California	1.5	1.9	1.3	****	3.0	****	1.3	2.4	****	2.1	4.1	2.5	3.0	1.3	3.9	1.2	2.6
Colorado	1.3	1.5	1.9	4.0	5.3	2.6	1.3	1.5	3.9	1.9	3.1	1.8	2.2	2.2	2.6	1.6	1.7
Connecticut	1.7	2.2	2.0	****	****	1.7	2.0	1.8	3.6	2.9	4.1	2.3	2.9	3.3	2.6	1.2	2.1
Delaware	1.2	1.6	1.6	****	****	1.0	1.9	1.8	****	2.5	5.4	2.2	1.4	2.3	2.0	0.9	2.2
DC	0.5	0.6	0.5	****	****	0.4	2.2	3.2	****	0.6	1.8	0.9	0.5	***	****	0.2	1.8
Florida	1.1	1.3	1.3	****	****	1.0	1.4	1.4	2.8	2.6	3.6	1.9	1.8	1.5	3.0	0.8	1.7
Georgia	1.3	1.7	1.6	****	****	0.6	1.9	1.9	2.0	2.0	3.2	2.5	2.3	2.2	1.7	0.7	2.0
Hawaii	1.1	1.3	1.4	5.0	1.8	2.5	1.2	2.3	****	2.0	4.0	1.9	3.5	1.5	1.8	1.0	1.5
Idaho	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲
Illinois	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲
Indiana	1.6	2.2	1.9	****	****	1.4	2.7	1.7	5.8	2.4	3.4	2.6	2.9	3.2	1.5	1.4	2.0
Iowa*	1.4	1.7	1.9	****	****	2.5	2.5	1.5	****	2.6	3.6	2.0	3.0	8.6	1.5	1.5	1.8

Table C-2 cont.NAEP Achievement Level Standard Errors (At or Above Proficient)
Grade 4 Mathematics, 1996 – by State and by Subgroup

State	All students	Sex		Race/ethnicity				Parents' highest level of education				School location		Poverty measure			
		Male	Female	American Indian/Alaskan Native	Asian/Pacific Islander	Black	Hispanic	White	Less than high school	High school graduate	Some education beyond high school	College graduate	Central city	Urban fringe/large town	Rural/small town	Eligible for free/reduced-price lunch	Not eligible for free/reduced-price lunch
Kansas	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲
Kentucky	1.1	1.8	1.2	****	****	1.4	2.4	1.3	1.8	1.2	3.8	2.2	3.1	3.9	1.4	0.9	1.7
Louisiana	0.9	1.4	0.9	****	****	0.8	1.9	1.6	1.4	1.0	2.3	1.6	1.8	1.7	1.1	0.6	1.9
Maine	1.4	2.0	1.5	****	****	****	4.5	1.5	6.3	4.0	4.4	1.8	4.6	5.6	1.6	1.7	1.7
Maryland	1.7	2.0	2.1	****	6.2	0.9	3.1	2.5	2.3	2.5	3.4	2.8	4.2	2.2	2.8	0.8	2.4
Massachusetts	1.9	2.4	1.9	****	8.2	2.7	2.8	2.1	4.1	2.7	3.5	2.9	2.3	3.0	3.6	1.4	2.4
Michigan*	1.5	1.7	1.8	4.5	****	1.1	1.9	1.6	3.6	2.8	4.5	2.5	3.0	2.1	2.3	1.4	1.8
Minnesota	1.5	1.9	1.6	5.4	4.7	****	3.7	1.7	****	3.4	4.1	2.0	2.8	2.5	2.1	1.7	1.9
Mississippi	0.9	1.0	1.2	****	****	0.6	1.7	1.4	2.1	1.2	3.0	1.8	3.7	4.2	0.7	0.5	2.1
Missouri	1.3	1.5	1.7	****	****	0.8	3.1	1.4	3.1	2.1	3.2	2.0	2.6	2.3	1.9	1.2	1.6
Montana*	1.6	1.8	2.3	2.2	****	****	3.4	1.9	4.1	3.6	3.9	2.3	2.1	****	1.9	2.0	1.9
Nebraska	1.4	1.7	1.6	6.0	****	1.9	2.6	1.5	3.1	2.7	3.3	2.2	2.7	6.5	1.9	1.3	1.8
Nevada*	1.2	1.8	1.1	2.9	5.7	1.3	1.2	1.5	2.3	2.2	4.6	1.9	1.8	1.9	2.7	1.2	2.7
New Hampshire	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲
New Jersey*	1.7	2.6	1.9	****	5.0	1.8	2.0	2.1	5.2	3.7	5.1	2.6	4.6	2.1	****	1.5	2.1
New Mexico	1.2	1.6	1.3	****	****	1.9	1.0	1.8	2.2	1.7	3.3	2.1	2.1	3.4	1.7	0.9	1.7
New York*	1.2	1.6	1.6	****	4.1	1.6	1.7	1.7	****	2.7	4.1	2.0	1.8	2.5	3.3	1.2	1.9

NAEP Achievement Level Standard Errors (At or Above Proficient)
Grade 4 Mathematics, 1996 – by State and by Subgroup

Table C-2 cont.

State	All students	Sex		Race/ethnicity				Parents' highest level of education				School location			Poverty measure		
		Male	Female	American Indian/Alaskan Native	Asian/Pacific Islander	Black	Hispanic	White	Less than high school	High school graduate	Some education beyond high school	College graduate	Central city	Urban fringe/large town	Rural/small town	Eligible for free/reduced-price lunch	Not eligible for free/reduced-price lunch
North Carolina	1.3	1.5	1.6	****	****	0.7	3.6	1.7	2.5	2.4	4.2	2.3	3.1	2.6	1.9	1.3	1.9
North Dakota	1.3	1.9	1.7	3.1	****	****	6.2	1.4	****	3.4	3.9	2.0	2.6	4.9	2.0	1.9	1.5
Ohio	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲
Oklahoma	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲
Oregon	1.3	1.7	1.6	3.9	5.2	****	1.6	1.5	2.6	3.0	4.3	2.2	2.8	2.3	2.2	1.1	1.6
Pennsylvania*	1.5	2.0	1.7	****	****	1.2	2.1	1.8	△	△	△	△	1.4	2.3	2.6	1.2	2.0
Rhode Island	1.3	1.7	1.5	****	4.6	1.7	2.0	1.4	3.1	1.8	4.9	2.0	1.5	1.7	3.5	0.9	1.8
South Carolina*	1.3	1.6	1.5	****	****	0.7	1.7	2.1	3.1	1.6	4.4	2.1	2.8	2.3	1.6	0.8	2.2
South Dakota	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲
Tennessee	1.5	1.9	1.4	****	****	1.0	4.2	1.9	1.7	1.9	4.0	2.5	3.0	2.5	2.5	0.9	2.1
Texas	1.5	2.0	1.9	****	****	2.0	1.4	2.2	2.7	3.1	3.3	2.7	2.7	2.7	3.2	1.1	2.1
Utah	1.3	1.7	1.6	4.9	****	****	2.4	1.4	****	2.7	3.4	2.2	3.0	1.6	2.4	1.8	1.8
Vermont*	1.1	1.5	1.5	****	****	****	4.1	1.2	****	2.5	3.8	1.8	****	****	1.2	1.4	1.5
Virginia	1.5	2.0	1.4	****	6.1	0.8	3.1	1.9	3.0	1.8	4.1	2.3	3.0	2.6	1.7	0.9	1.9
Washington	1.2	1.4	1.6	3.0	3.5	2.8	2.2	1.3	5.0	3.1	4.0	1.8	2.0	1.6	3.3	1.5	1.4
West Virginia	1.2	1.6	1.5	****	****	3.4	2.9	1.3	2.3	2.1	3.6	1.8	2.5	2.6	1.5	1.3	1.6
Wisconsin	1.3	1.6	1.8	****	****	1.4	3.5	1.5	****	2.6	3.6	2.0	2.6	2.7	1.9	1.2	1.9

Table C-2 cont.

NAEP Achievement Level Standard Errors (At or Above Proficient)
Grade 4 Mathematics, 1996 – by State and by Subgroup

State	All students	Sex		Race/ethnicity					Parents' highest level of education				School location		Poverty measure		
		Male	Female	American Indian/Alaskan Native	Asian/Pacific Islander	Black	Hispanic	White	Less than high school	High school graduate	Some education beyond high school	College graduate	Central city	Urban fringe/large town	Rural/small town	Eligible for free/reduced-price lunch	Not eligible for free/reduced-price lunch
Wyoming	1.2	1.8	1.2	3.2	****	****	2.1	1.3	4.6	2.3	6.5	1.8	2.5	****	1.4	1.6	1.6
Am. Samoa	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲
Guam	0.5	0.7	0.8	****	0.7	****	0.8	4.3	****	1.4	3.3	1.0	****	****	****	0.5	1.0
N. Marianas	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲
Puerto Rico	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲
Virgin Islands	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲

◆ U.S. data include public and nonpublic school students, while state data include public school students only.

† School location data for the nation include public school students only, while all other national data include public and nonpublic school students combined.

* State did not satisfy one of the NAEP guidelines for school sample participation rates at Grade 4.

▲ State did not participate in the 1996 NAEP mathematics assessment at Grade 4.

**** Standard error estimates cannot be accurately determined.

△ The Pennsylvania Department of Education suggested that students refrain from answering this question.

Source: Reese, C.M., Jerry, L., & Ballator, N. (1997, June). *NAEP 1996 mathematics state report for [name of state]*. Washington, DC: National Center for Education Statistics.

NAEP Achievement Level Standard Errors (At or Above Proficient)
Grade 8 Mathematics, 1996 – by State and by Subgroup

Table C-3

State	Sex		Race/ethnicity				Parents' highest level of education				School location		Poverty measure				
	All students	Male	Female	American Indian/Alaskan Native	Asian/Pacific Islander	Black	Hispanic	White	Less than high school	High school graduate	Some education beyond high school	College graduate	Central city	Urban fringe/large town	Rural/small town	Eligible for free/reduced-price lunch	Not eligible for free/reduced-price lunch
U.S.♦	1.1	1.5	1.2	5.0	▼	0.9	1.6	1.4	2.1	1.3	1.8	1.9	1.4	2.8	1.7	1.1	1.6
Alabama	1.8	2.3	1.7	****	****	0.5	2.6	2.7	1.6	1.1	2.2	3.2	4.1	2.4	1.9	0.6	2.6
Alaska*	1.6	2.1	2.1	2.6	9.1	****	4.9	1.9	****	2.7	3.3	2.6	3.3	****	1.9	3.6	2.5
Arizona	1.2	1.6	1.3	5.3	****	2.7	1.1	1.7	1.6	2.1	2.5	1.8	1.5	2.9	2.2	1.8	1.8
Arkansas*	1.0	1.4	1.1	****	****	0.9	****	1.3	1.3	1.4	2.3	2.4	2.3	3.7	1.3	1.1	1.5
California	1.5	2.0	1.4	****	4.1	****	0.8	2.3	1.5	1.3	2.3	2.7	2.2	2.1	****	1.1	2.3
Colorado	1.3	1.7	1.7	****	8.6	3.6	1.5	1.4	2.1	1.6	2.8	2.0	2.2	2.2	2.7	1.5	1.6
Connecticut	1.5	2.1	1.6	****	7.9	1.5	1.9	1.6	3.1	1.9	2.4	2.2	2.8	2.9	2.9	2.3	1.6
Delaware	1.0	2.0	1.8	****	****	1.2	3.2	1.4	2.4	2.0	2.1	2.0	1.7	1.2	2.7	1.5	1.3
DC	0.8	1.0	1.0	****	****	0.6	1.5	9.2	****	0.7	1.4	1.7	0.8	****	****	0.8	2.1
Florida	1.3	1.6	1.7	****	****	1.1	1.6	1.9	****	1.7	2.0	2.4	3.0	1.5	3.2	0.9	1.9
Georgia	1.8	2.0	2.0	****	****	0.8	4.2	2.6	1.8	1.0	2.0	3.4	2.8	3.3	2.0	0.8	2.8
Hawaii	0.9	1.1	1.4	****	1.3	****	1.6	3.5	4.1	1.5	2.0	1.9	1.8	1.6	1.6	1.3	1.3
Idaho	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲
Illinois	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲
Indiana	1.7	2.0	1.9	****	****	1.0	3.1	1.8	2.1	1.7	2.6	2.5	3.1	3.5	2.1	1.7	1.7
Iowa*	1.8	2.3	2.1	****	****	4.1	5.0	1.8	3.3	2.0	3.2	2.3	3.5	3.9	2.2	3.0	2.0

Table C-3 cont.NAEP Achievement Level Standard Errors (At or Above Proficient)
Grade 8 Mathematics, 1996 – by State and by Subgroup

State	All students	Sex	Race/ethnicity					Parents' highest level of education				School location		Poverty measure		
			American Indian/Alaskan Native	Asian/Pacific Islander	Black	Hispanic	White	Less than high school	High school graduate	Some education beyond high school	College graduate	Central city	Urban fringe/large town	Rural/small town	Eligible for free/reduced-price lunch	Not eligible for free/reduced-price lunch
Kansas	▲	▲ ▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	
Kentucky	1.2	1.6	1.5	****	****	****	****	1.3	1.2	1.4	2.1	2.6	3.2	4.0	1.2	1.1 1.8
Louisiana	1.1	1.3	1.3	****	****	0.5	****	1.6	1.7	1.0	1.7	2.3	2.0	2.1	1.5	0.8 1.8
Maine	1.7	2.1	2.0	****	****	****	****	1.7	3.3	2.2	3.0	2.1	3.5	5.6	1.8	2.8 1.8
Maryland*	2.3	2.8	2.3	****	5.9	1.0	3.7	2.8	2.0	1.8	2.3	3.3	3.2	3.1	3.3	1.2 3.1
Massachusetts	1.8	2.2	2.1	****	6.5	3.3	2.2	2.1	2.0	1.9	2.9	2.3	2.5	2.7	4.3	1.5 2.2
Michigan*	1.8	2.1	2.0	****	****	2.0	4.6	1.8	3.2	1.4	2.5	2.6	4.1	2.6	2.6	1.8 2.1
Minnesota	1.8	2.4	1.9	****	5.5	3.5	6.4	1.9	5.0	2.5	2.3	2.4	6.2	3.0	1.9	2.2 1.7
Mississippi	0.8	0.9	1.0	****	****	0.3	1.7	1.6	1.3	0.8	2.3	1.4	2.6	2.0	0.8	0.5 1.7
Missouri	1.4	1.8	1.6	****	****	1.7	4.3	1.6	2.4	1.5	2.5	2.3	5.2	2.3	2.0	1.8 1.4
Montana*	1.5	1.9	2.3	2.6	****	****	4.1	1.5	2.9	2.6	2.9	2.3	2.3	****	1.8	2.7 1.5
Nebraska	1.5	2.1	2.1	****	****	3.3	2.8	1.6	3.2	2.2	3.2	1.6	1.8	3.4	2.0	2.6 1.7
Nevada	●	● ●	●	●	●	●	●	●	●	●	●	●	●	●	●	● ●
New Hampshire	●	● ●	●	●	●	●	●	●	●	●	●	●	●	●	●	● ●
New Jersey	●	● ●	●	●	●	●	●	●	●	●	●	●	●	●	●	● ●
New Mexico	1.1	1.5	1.4	1.6	****	****	1.2	1.8	2.0	1.4	1.9	2.2	1.7	2.9	1.6	0.9 1.8
New York*	1.5	1.6	2.3	****	6.3	1.8	1.4	1.8	3.6	2.6	3.1	2.5	1.7	2.4	2.7	1.5 2.1

NAEP Achievement Level Standard Errors (At or Above Proficient)
Grade 8 Mathematics, 1996 – by State and by Subgroup

Table C-3 cont.

State	Sex		Race/ethnicity				Parents' highest level of education				School location		Poverty measure				
	All students	Male	Female	American Indian/Alaskan Native	Asian/Pacific Islander	Black	Hispanic	White	Less than high school	High school graduate	Some education beyond high school	College graduate	Central city	Urban fringe/large town	Rural/small town	Eligible for free/reduced-price lunch	Not eligible for free/reduced-price lunch
North Carolina	1.3	1.6	1.6	****	****	1.0	2.8	1.6	1.8	1.6	2.2	2.4	3.0	2.1	1.7	1.0	1.7
North Dakota	1.5	1.3	2.4	3.6	****	****	4.9	1.5	5.4	1.9	3.6	1.8	2.6	****	1.9	2.5	1.6
Ohio	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲
Oklahoma	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲
Oregon	1.6	2.1	1.8	3.7	5.5	****	3.7	1.7	2.8	2.1	2.6	2.5	4.5	2.4	1.7	2.1	1.9
Pennsylvania	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲
Rhode Island	1.3	1.6	1.5	****	5.5	3.6	1.4	1.5	2.2	1.9	3.2	2.3	1.3	1.7	2.7	1.8	1.6
South Carolina*	1.2	1.5	1.3	****	****	0.6	2.9	2.1	1.6	1.3	2.7	2.4	2.8	1.9	1.6	1.2	1.7
South Dakota	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲
Tennessee	1.3	1.6	1.4	****	****	1.2	2.7	1.5	1.5	1.1	2.3	3.0	2.8	2.5	1.6	1.0	1.9
Texas	1.5	1.9	1.9	****	10.0	1.7	1.4	1.8	1.9	2.0	2.3	2.2	2.5	3.2	2.7	1.2	1.9
Utah	1.3	1.6	1.5	****	7.5	****	1.8	1.3	4.2	1.4	2.3	1.9	2.5	1.8	2.0	2.0	1.3
Vermont*	1.4	2.1	1.8	****	****	****	****	1.4	4.6	1.6	3.9	2.0	****	5.4	1.5	2.1	1.5
Virginia	1.2	1.5	1.6	****	6.8	0.8	3.4	1.4	1.9	1.3	2.7	1.9	2.5	2.0	1.5	1.2	1.4
Washington	1.2	1.5	1.6	2.6	4.8	2.7	2.8	1.4	2.1	2.6	2.5	1.9	2.8	1.8	3.1	1.7	1.4
West Virginia	0.9	1.0	1.2	****	****	****	4.2	0.9	1.4	1.2	1.8	2.0	1.8	1.9	1.2	1.1	1.3
Wisconsin*	2.0	2.3	2.2	****	****	****	2.9	2.0	3.5	2.7	3.0	2.4	3.9	3.1	2.5	2.3	2.0

Table C-3 cont.NAEP Achievement Level Standard Errors (At or Above Proficient)
Grade 8 Mathematics, 1996 – by State and by Subgroup

State		Sex		Race/ethnicity					Parents' highest level of education			School location		Poverty measure			
		All students	Male	Female	American Indian/Alaskan Native	Asian/Pacific Islander	Black	Hispanic	White	Less than high school	High school graduate	Some education beyond high school	College graduate	Central city	Urban fringe/large town	Rural/small town	Eligible for free/reduced-price lunch
Wyoming	1.0	1.5	1.4	2.5	****	****	1.6	1.0	3.1	1.7	2.1	1.7	1.6	****	1.3	1.5	1.3
Am. Samoa	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲
Guam	0.8	1.3	1.0	****	1.1	****	1.4	****	****	1.5	3.0	2.1	****	****	****	****	1.0
N. Marianas	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲
Puerto Rico	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲
Virgin Islands	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲

◆ U.S. data include public and nonpublic school students, while state data include public school students only.

▼ NAEP quality control activities involving state assessment data raised concerns about the accuracy and precision of national Grade 8 Asian/Pacific Islander data. As a result, they have not been included in this report.

* State did not satisfy one of the NAEP guidelines for school sample participation rates at Grade 8.

▲ State did not participate in the 1996 NAEP mathematics assessment at Grade 8.

● State did not meet the minimum school participation guidelines for public schools at Grade 8; therefore, results were not released by the National Center for Education Statistics.

**** Standard error estimates cannot be accurately determined.

Source: Reese, C.M., Jerry, L., & Ballator, N. (1997, June). *NAEP 1996 mathematics state report for [name of state]*. Washington, DC: National Center for Education Statistics.

NAEP Achievement Level Standard Errors (At or Above Proficient)
Grade 8 Science, 1996 – by State and by Subgroup

Table C-4

State	Sex		Race/ethnicity					Parents' highest level of education				School location		Poverty measure			
	All students	Male	Female	American Indian/Alaskan Native	Asian/Pacific Islander	Black	Hispanic	White	Less than high school	High school graduate	Some education beyond school	College graduate	Central city	Urban fringe/large town	Rural/small town	Eligible for free/reduced-price lunch	Not eligible for free/reduced-price lunch
U.S.♦	1.2	1.2	1.7	5.7	3.7	0.8	1.1	1.7	1.8	1.7	2.2	1.7	○	○	○	1.6	1.8
Alabama	1.5	1.9	1.7	****	****	1.1	3.2	2.0	2.4	1.3	2.1	2.4	○	○	○	1.0	2.2
Alaska*	1.6	2.2	2.3	2.7	6.2	****	3.8	1.9	****	3.2	3.5	2.6	○	○	○	2.9	2.6
Arizona	1.7	2.0	1.8	3.9	****	3.5	1.9	1.9	1.6	2.4	2.7	2.4	○	○	○	1.5	2.4
Arkansas*	1.5	2.3	1.4	****	****	1.5	4.0	1.9	1.6	2.0	2.6	2.3	○	○	○	1.6	1.8
California	1.7	1.9	1.8	****	3.6	2.5	1.5	2.7	1.5	1.9	2.2	2.6	○	○	○	1.2	2.5
Colorado	1.2	1.5	1.8	6.5	6.5	4.2	2.0	1.4	3.3	2.7	2.4	1.5	○	○	○	2.1	1.6
Connecticut	1.7	1.9	2.3	****	6.3	2.9	1.8	2.0	3.6	3.4	3.0	2.4	○	○	○	3.0	2.1
Delaware	1.0	1.8	1.2	****	****	1.2	2.5	1.3	3.1	2.1	2.3	2.1	○	○	○	1.6	1.5
DC	0.9	1.1	1.1	****	****	0.8	2.2	****	****	0.8	2.2	1.8	○	○	○	0.5	2.2
Florida	1.6	1.9	2.0	****	****	1.3	1.4	2.2	3.0	1.8	2.7	2.7	○	○	○	1.5	2.1
Georgia	1.7	2.0	1.7	****	****	1.2	4.1	2.0	1.9	2.0	2.1	3.1	○	○	○	1.0	2.3
Hawaii	1.0	1.2	1.5	****	1.2	4.1	1.1	3.6	3.9	1.7	3.3	1.5	○	○	○	1.5	1.3
Idaho	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	○	○	○	▲	▲
Illinois	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	○	○	○	▲	▲
Indiana	1.9	2.3	2.2	****	****	2.3	3.2	2.0	3.3	2.6	2.5	3.0	○	○	○	2.7	1.9
Iowa*	1.6	2.1	2.0	****	****	3.0	5.7	1.7	4.6	2.5	2.8	2.2	○	○	○	2.0	1.8
Kansas	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	○	○	○	▲	▲

Table C-4 cont.NAEP Achievement Level Standard Errors (At or Above Proficient)
Grade 8 Science, 1996 – by State and by Subgroup

State	All students	Sex		Race/ethnicity				Parents' highest level of education				School location		Poverty measure			
		Male	Female	American Indian/Alaskan Native	Asian/Pacific Islander	Black	Hispanic	White	Less than high school	High school graduate	Some education beyond high school	College graduate	Central city	Urban fringe/large town	Rural/small town	Eligible for free/reduced-price lunch	Not eligible for free/reduced-price lunch
Kentucky	1.3	1.6	1.6	****	****	1.8	4.3	1.3	1.5	1.6	2.4	2.8	○	○	○	1.5	1.6
Louisiana	1.2	1.9	1.2	****	****	0.9	2.9	1.6	2.0	1.3	2.5	2.1	○	○	○	1.1	2.0
Maine	1.8	1.7	2.5	****	****	****	7.3	1.7	4.0	2.5	3.8	2.2	○	○	○	2.4	2.3
Maryland*	1.8	2.2	2.2	****	6.7	1.3	2.8	2.3	3.6	3.0	2.8	2.9	○	○	○	1.2	2.4
Massachusetts	1.7	2.1	2.0	****	7.9	2.7	2.8	1.8	4.0	2.8	3.6	2.0	○	○	○	1.6	2.0
Michigan*	2.0	2.4	2.5	****	****	1.5	4.4	2.3	3.6	2.7	2.5	2.5	○	○	○	2.7	2.1
Minnesota	1.7	2.0	2.0	****	10.8	3.2	5.7	1.7	5.2	3.1	3.4	2.0	○	○	○	1.9	1.9
Mississippi	1.0	1.4	1.1	****	****	0.6	1.7	1.5	2.0	1.2	2.3	2.0	○	○	○	0.8	1.7
Missouri	1.3	1.7	1.7	****	****	1.3	3.6	1.6	2.2	2.2	2.7	2.0	○	○	○	1.8	1.6
Montana*	2.1	2.9	2.3	3.6	****	****	4.8	2.0	5.8	4.0	3.7	2.7	○	○	○	2.9	2.4
Nebraska	1.5	1.9	1.9	****	****	2.6	4.0	1.6	2.3	2.2	2.9	2.2	○	○	○	2.3	1.7
Nevada	●	●	●	●	●	●	●	●	●	●	●	●	○	○	○	●	●
New Hampshire	●	●	●	●	●	●	●	●	●	●	●	●	○	○	○	●	●
New Jersey	●	●	●	●	●	●	●	●	●	●	●	●	○	○	○	●	●
New Mexico	0.7	1.2	1.2	1.6	****	****	0.8	1.4	1.1	1.4	2.1	1.6	○	○	○	1.0	1.5
New York*	1.7	2.7	1.8	****	8.3	1.2	2.3	2.2	5.5	3.0	3.4	2.5	○	○	○	1.6	2.5
North Carolina	1.4	2.0	1.5	5.0	****	1.0	3.2	1.7	2.2	1.8	2.4	2.1	○	○	○	0.8	1.8
North Dakota	1.5	1.9	1.8	4.6	****	****	4.8	1.6	5.9	3.1	3.0	1.6	○	○	○	2.9	1.7

NAEP Achievement Level Standard Errors (At or Above Proficient)
Grade 8 Science, 1996 – by State and by Subgroup

Table C-4 cont.

State	All students	Sex		Race/ethnicity					Parents' highest level of education				School location		Poverty measure		
		Male	Female	American Indian/Alaskan Native	Asian/Pacific Islander	Black	Hispanic	White	Less than high school	High school graduate	Some education beyond high school	College graduate	Central city	Urban fringe/large town	Rural/small town	Eligible for free/reduced-price lunch	Not eligible for free/reduced-price lunch
Ohio	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	○	○	○	▲	▲
Oklahoma	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	○	○	○	▲	▲
Oregon	1.8	2.3	1.9	6.9	5.2	****	2.7	1.9	3.7	2.3	2.7	2.4	○	○	○	2.2	1.8
Pennsylvania	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	○	○	○	▲	▲
Rhode Island	1.5	1.6	2.0	****	4.7	2.4	1.2	1.8	1.8	2.5	3.1	2.2	○	○	○	1.5	1.9
South Carolina*	1.4	2.2	1.3	****	****	0.9	2.7	2.3	3.3	1.7	2.6	2.9	○	○	○	1.1	2.1
South Dakota	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	○	○	○	▲	▲
Tennessee	1.7	1.9	2.1	****	****	1.6	****	2.0	2.3	2.0	2.6	2.9	○	○	○	1.3	2.2
Texas	1.5	1.9	1.8	****	5.7	2.1	1.1	2.1	2.4	2.0	3.0	2.0	○	○	○	1.2	2.1
Utah	1.2	1.6	1.6	****	4.7	****	2.8	1.3	5.1	2.5	2.3	1.7	○	○	○	2.6	1.5
Vermont*	1.6	2.3	2.0	****	****	****	6.2	1.7	2.8	2.4	3.2	2.7	○	○	○	2.7	1.9
Virginia	2.1	2.4	2.5	****	7.1	1.4	4.1	2.4	2.0	1.9	2.5	2.9	○	○	○	1.2	2.5
Washington	1.6	2.2	1.5	4.5	4.8	2.5	2.2	1.8	3.4	2.2	2.3	2.4	○	○	○	1.8	1.9
West Virginia	1.1	1.7	1.6	****	****	2.8	****	1.1	1.4	1.4	2.5	1.9	○	○	○	1.0	1.4
Wisconsin*	1.9	2.5	2.3	****	****	2.7	6.4	1.9	5.4	4.1	2.3	2.2	○	○	○	2.8	2.1
Wyoming	1.3	1.5	1.6	3.2	****	****	2.3	1.4	4.5	3.1	2.5	1.8	○	○	○	2.0	1.4
Am. Samoa	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	○	○	○	▲	▲
Guam	1.0	1.3	1.5	****	1.1	****	1.5	4.7	****	1.2	2.9	2.0	○	○	○	****	1.2

Table C-4 cont.

NAEP Achievement Level Standard Errors (At or Above Proficient)
Grade 8 Science, 1996 – by State and by Subgroup

State	All students	Sex	Race/ethnicity					Parents' highest level of education				School location	Poverty measure			
	Male	Female	American Indian/Alaskan Native	Asian/Pacific Islander	Black	Hispanic	White	Less than high school	High school graduate	Some education beyond high school	College graduate	Central city	Urban fringe/large town	Rural/small town	Eligible for free/reduced-price lunch	Not eligible for free/reduced-price lunch
N. Marianas	▲	▲ ▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	○	○	○	▲	▲
Puerto Rico	▲	▲ ▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	○	○	○	▲	▲
Virgin Islands	▲	▲ ▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	○	○	○	▲	▲

◆ U.S. data include public and nonpublic school students, while state data include public school students only.

*** Standard error estimates cannot be accurately determined.

○ No school location data for science in 1996.

* State did not satisfy one of the NAEP guidelines for school sample participation rates at Grade 8.

▲ State did not participate in the 1996 NAEP science assessment at Grade 8.

● State did not meet the minimum school participation guidelines for public schools at Grade 8; therefore, results were not released by the National Center for Education Statistics.

Source: National Center for Education Statistics, National Assessment of Educational Progress (NAEP), 1996 *Science assessment*, as shown in: Bourque, M.L., Champagne, A.B., & Crissman, S. (1997, October). *1996 Science performance standards: Achievement results for the nation and the states*. Washington, DC: National Assessment Governing Board.