

Table 125. Mathematics proficiency of 8th-graders in public schools, by state or jurisdiction: Selected years, 1990 to 2003

State or jurisdiction	Average scale score					Percent attaining mathematics achievement levels, ¹ 2003				Average scale score, by highest level of education attained by parents, ² 2003			
	1990	1992	1996	2000	2003	Below basic	Basic or above ³	Proficient or above ⁴	Ad- vanced ⁵	Did not finish high school	Graduated high school	Some education after high school	Graduated college
1	2	3	4	5	6	7	8	9	10	11	12	13	14
United States	262 (1.4)	267 (1.0)	271 (1.2)	272 (0.9)	276 (0.3)	33 (0.3)	67 (0.3)	27 (0.3)	5 (0.1)	256 (0.6)	267 (0.4)	280 (0.4)	287 (0.4)
Alabama	253 (1.1)	252 (1.7)	257 (2.1)	264 (1.8)	262 (1.5)	47 (1.7)	53 (1.7)	16 (1.4)	2 (0.5)	249 (2.7)	253 (1.7)	267 (2.0)	270 (2.2)
Alaska	— (—)	— (—)	278 (1.8)	— (—)	279 (0.9)	30 (1.4)	70 (1.4)	30 (1.1)	6 (0.6)	‡ (‡)	‡ (‡)	‡ (‡)	‡ (‡)
Arizona ⁶	260 (1.3)	265 (1.3)	268 (1.6)	269 (1.8)	271 (1.2)	39 (1.6)	61 (1.6)	21 (1.2)	3 (0.3)	257 (2.1)	266 (1.7)	277 (1.8)	284 (1.3)
Arkansas	256 (0.9)	256 (1.2)	262 (1.5)	257 (1.5)	266 (1.2)	42 (1.6)	58 (1.6)	19 (1.2)	2 (0.4)	253 (3.1)	259 (1.8)	275 (1.8)	274 (2.1)
California ⁶	256 (1.3)	261 (1.7)	263 (1.9)	260 (2.1)	267 (1.2)	44 (1.3)	56 (1.3)	22 (1.1)	4 (0.7)	246 (1.8)	255 (1.6)	275 (1.9)	282 (1.8)
Colorado	267 (0.9)	272 (1.0)	276 (1.1)	— (—)	283 (1.1)	26 (1.1)	74 (1.1)	34 (1.3)	8 (0.8)	254 (2.2)	270 (1.8)	282 (1.7)	295 (1.2)
Connecticut	270 (1.0)	274 (1.1)	280 (1.1)	281 (1.3)	284 (1.2)	27 (1.3)	73 (1.3)	35 (1.6)	8 (0.9)	259 (3.8)	273 (1.9)	280 (1.8)	295 (1.4)
Delaware	261 (0.9)	263 (1.0)	267 (0.9)	— (—)	277 (0.7)	32 (1.1)	68 (1.1)	26 (0.9)	4 (0.5)	258 (3.5)	271 (1.6)	278 (1.5)	286 (1.2)
District of Columbia	231 (0.9)	235 (0.9)	233 (1.3)	235 (1.1)	243 (0.8)	71 (1.1)	29 (1.1)	6 (0.6)	1 (0.3)	236 (3.1)	235 (1.3)	252 (2.0)	250 (1.6)
Florida	255 (1.2)	260 (1.5)	264 (1.8)	— (—)	271 (1.5)	38 (1.8)	62 (1.8)	23 (1.5)	4 (0.6)	255 (2.8)	264 (2.0)	280 (1.8)	280 (1.7)
Georgia	259 (1.3)	259 (1.2)	262 (1.6)	265 (1.2)	270 (1.2)	41 (1.4)	59 (1.4)	22 (1.2)	4 (0.6)	254 (2.2)	259 (1.6)	277 (1.8)	280 (1.5)
Hawaii	251 (0.8)	257 (0.9)	262 (1.0)	262 (1.4)	266 (0.8)	44 (1.0)	56 (1.0)	17 (1.0)	2 (0.4)	255 (2.8)	256 (1.3)	270 (1.5)	273 (1.3)
Idaho ⁶	271 (0.8)	275 (0.7)	— (—)	277 (1.0)	280 (0.9)	27 (1.2)	73 (1.2)	28 (1.0)	4 (0.5)	260 (3.1)	269 (1.7)	283 (1.6)	291 (0.9)
Illinois ⁶	261 (1.7)	— (—)	— (—)	275 (1.7)	277 (1.2)	34 (1.2)	66 (1.2)	29 (1.5)	6 (0.6)	256 (2.7)	269 (1.4)	278 (1.6)	288 (1.5)
Indiana ⁶	267 (1.2)	270 (1.1)	276 (1.4)	281 (1.4)	281 (1.1)	26 (1.4)	74 (1.4)	31 (1.2)	5 (0.4)	265 (2.2)	274 (1.9)	284 (1.6)	290 (1.4)
Iowa	278 (1.1)	283 (1.0)	284 (1.3)	— (—)	284 (0.8)	24 (1.1)	76 (1.1)	33 (1.2)	5 (0.5)	255 (2.9)	272 (1.5)	288 (1.4)	294 (0.9)
Kansas ⁶	— (—)	— (—)	— (—)	283 (1.7)	284 (1.3)	24 (1.5)	76 (1.5)	34 (1.5)	6 (0.6)	260 (2.5)	275 (2.0)	287 (1.5)	294 (1.3)
Kentucky	257 (1.2)	262 (1.1)	267 (1.1)	270 (1.3)	274 (1.2)	35 (1.5)	65 (1.5)	24 (1.3)	4 (0.5)	258 (2.3)	266 (1.8)	278 (1.6)	286 (1.7)
Louisiana	246 (1.2)	250 (1.7)	252 (1.6)	259 (1.5)	266 (1.5)	43 (1.8)	57 (1.8)	17 (1.3)	2 (0.5)	256 (3.2)	262 (1.9)	274 (1.9)	271 (2.1)
Maine ⁶	— (—)	279 (1.0)	284 (1.3)	281 (1.1)	282 (0.9)	25 (1.1)	75 (1.1)	29 (1.2)	5 (0.6)	255 (3.0)	272 (1.5)	281 (1.4)	291 (1.0)
Maryland	261 (1.4)	265 (1.3)	270 (2.1)	272 (1.7)	278 (1.0)	33 (1.2)	67 (1.2)	30 (1.3)	7 (0.8)	259 (2.7)	265 (2.0)	281 (1.7)	288 (1.3)
Massachusetts	— (—)	273 (1.0)	278 (1.7)	279 (1.5)	287 (0.9)	24 (1.0)	76 (1.0)	38 (1.1)	8 (0.8)	262 (3.3)	271 (1.9)	281 (1.7)	298 (1.0)
Michigan ⁶	264 (1.2)	267 (1.4)	277 (1.8)	277 (1.9)	276 (2.0)	32 (2.2)	68 (2.2)	28 (1.9)	5 (0.6)	253 (3.2)	268 (2.0)	280 (2.1)	284 (2.4)
Minnesota	275 (0.9)	282 (1.0)	284 (1.3)	287 (1.4)	291 (1.1)	18 (1.1)	82 (1.1)	44 (1.4)	9 (0.8)	262 (6.6)	279 (1.8)	295 (1.9)	298 (1.1)
Mississippi	— (—)	246 (1.2)	250 (1.2)	254 (1.1)	261 (1.1)	53 (1.4)	47 (1.4)	12 (1.1)	1 (0.3)	253 (2.3)	253 (1.7)	268 (1.9)	266 (1.6)
Missouri	— (—)	271 (1.2)	273 (1.4)	271 (1.5)	279 (1.1)	29 (1.4)	71 (1.4)	28 (1.2)	4 (0.5)	265 (2.6)	271 (1.7)	281 (1.5)	287 (1.5)
Montana ⁶	280 (0.9)	— (—)	283 (1.3)	285 (1.4)	286 (0.8)	21 (1.0)	79 (1.0)	35 (1.2)	6 (0.6)	263 (4.8)	277 (1.8)	288 (1.7)	292 (0.9)
Nebraska	276 (1.0)	278 (1.1)	283 (1.0)	280 (1.2)	282 (0.9)	26 (1.1)	74 (1.1)	32 (1.4)	5 (0.6)	253 (3.8)	273 (1.7)	283 (1.7)	292 (1.1)
Nevada	— (—)	— (—)	— (—)	265 (0.8)	268 (0.8)	41 (1.3)	59 (1.3)	20 (0.7)	3 (0.3)	249 (2.7)	263 (1.9)	277 (1.6)	279 (1.3)
New Hampshire	273 (0.9)	278 (1.0)	— (—)	— (—)	286 (0.8)	21 (1.1)	79 (1.1)	35 (1.2)	7 (0.8)	260 (3.2)	276 (1.6)	287 (1.7)	295 (1.0)
New Jersey	270 (1.1)	272 (1.6)	— (—)	— (—)	281 (1.1)	28 (1.2)	72 (1.2)	33 (1.3)	6 (0.7)	260 (4.4)	269 (2.1)	280 (1.3)	292 (1.2)
New Mexico	256 (0.7)	260 (0.9)	262 (1.2)	259 (1.3)	263 (1.0)	48 (1.3)	52 (1.3)	15 (0.8)	2 (0.3)	246 (1.9)	254 (1.5)	268 (1.6)	277 (1.2)
New York ⁶	261 (1.4)	266 (2.1)	270 (1.7)	271 (2.2)	280 (1.1)	30 (1.2)	70 (1.2)	32 (1.4)	6 (0.6)	259 (3.3)	270 (1.9)	282 (1.7)	289 (1.3)
North Carolina	250 (1.1)	258 (1.2)	268 (1.4)	276 (1.3)	281 (1.0)	28 (1.3)	72 (1.3)	32 (1.2)	7 (0.7)	264 (2.8)	270 (1.8)	283 (1.3)	291 (1.3)
North Dakota	281 (1.2)	283 (1.1)	284 (0.9)	282 (1.1)	287 (0.8)	19 (1.1)	81 (1.1)	36 (1.1)	5 (0.4)	257 (6.6)	278 (1.8)	290 (1.7)	293 (0.9)
Ohio	264 (1.0)	268 (1.5)	— (—)	281 (1.6)	282 (1.3)	26 (1.5)	74 (1.5)	30 (1.8)	5 (0.8)	260 (2.2)	276 (1.3)	281 (1.1)	291 (1.8)
Oklahoma	263 (1.3)	268 (1.1)	— (—)	270 (1.3)	272 (1.1)	35 (1.5)	65 (1.5)	20 (1.1)	2 (0.4)	254 (2.7)	262 (1.7)	275 (1.4)	282 (1.3)
Oregon ⁶	271 (1.0)	— (—)	276 (1.5)	280 (1.5)	281 (1.3)	30 (1.3)	70 (1.3)	32 (1.5)	7 (0.8)	261 (2.6)	271 (1.9)	283 (1.8)	293 (1.4)
Pennsylvania	266 (1.6)	271 (1.5)	— (—)	— (—)	279 (1.1)	31 (1.5)	69 (1.5)	30 (1.3)	5 (0.5)	252 (3.2)	269 (1.7)	280 (1.8)	289 (1.3)
Rhode Island	260 (0.6)	266 (0.7)	269 (0.9)	269 (1.3)	272 (0.7)	37 (1.0)	63 (1.0)	24 (0.9)	3 (0.4)	249 (3.1)	264 (1.8)	271 (2.2)	284 (1.0)
South Carolina	— (—)	261 (1.0)	261 (1.5)	265 (1.5)	277 (1.3)	32 (1.5)	68 (1.5)	26 (1.3)	5 (0.5)	269 (2.2)	267 (1.9)	283 (1.5)	284 (1.5)
South Dakota	— (—)	— (—)	— (—)	— (—)	285 (0.8)	22 (1.3)	78 (1.3)	35 (1.1)	5 (0.5)	267 (3.7)	277 (1.7)	285 (1.7)	293 (0.8)
Tennessee	— (—)	259 (1.4)	263 (1.4)	262 (1.5)	268 (1.8)	41 (2.1)	59 (2.1)	21 (1.5)	3 (0.5)	253 (2.4)	258 (2.3)	274 (2.1)	280 (2.0)
Texas	258 (1.4)	265 (1.3)	270 (1.4)	273 (1.6)	277 (1.1)	31 (1.4)	69 (1.4)	25 (1.4)	4 (0.6)	265 (1.8)	271 (2.1)	282 (1.5)	286 (1.6)
Utah	— (—)	274 (0.7)	277 (1.0)	274 (1.2)	281 (1.0)	28 (1.1)	72 (1.1)	31 (1.5)	6 (0.7)	253 (3.7)	265 (1.7)	281 (1.5)	292 (1.1)
Vermont ⁶	— (—)	— (—)	279 (1.0)	281 (1.5)	286 (0.8)	23 (0.9)	77 (0.9)	35 (1.1)	7 (0.7)	262 (2.8)	276 (1.4)	286 (1.3)	294 (1.0)
Virginia	264 (1.5)	268 (1.2)	270 (1.6)	275 (1.3)	282 (1.3)	28 (1.5)	72 (1.5)	31 (1.6)	6 (0.8)	262 (2.3)	271 (1.5)	282 (1.8)	291 (1.5)
Washington	— (—)	— (—)	276 (1.3)	— (—)	281 (0.9)	28 (1.2)	72 (1.2)	32 (1.3)	6 (0.8)	263 (2.0)	271 (1.7)	283 (1.6)	292 (1.4)
West Virginia	256 (1.0)	259 (1.0)	265 (1.0)	266 (1.2)	271 (1.2)	37 (1.8)	63 (1.8)	20 (1.3)	2 (0.3)	255 (3.0)	266 (1.8)	275 (1.6)	279 (1.4)
Wisconsin	274 (1.3)	278 (1.5)	283 (1.5)	— (—)	284 (1.3)	25 (1.4)	75 (1.4)	35 (1.4)	6 (0.6)	255 (4.5)	276 (1.6)	286 (1.9)	293 (1.5)
Wyoming	272 (0.7)	275 (0.9)	275 (0.9)	276 (1.0)	284 (0.7)	23 (1.0)	77 (1.0)	32 (1.0)	4 (0.5)	269 (2.6)	277 (1.5)	284 (1.2)	291 (1.0)
Department of Defense dependents schools:													
Domestic schools	— (—)	— (—)	269 (2.3)	274 (1.8)	282 (1.5)	22 (1.9)	78 (1.9)	27 (1.9)	5 (0.9)	‡ (‡)	273 (3.9)	283 (2.5)	285 (1.7)
Overseas schools	— (—)	— (—)	275 (0.9)	278 (1.1)	286 (0.7)	21 (1.0)	79 (1.0)	35 (1.2)	5 (0.7)	‡ (‡)	277 (2.3)	286 (1.3)	290 (0.9)
Outlying areas													
American Samoa	— (—)	— (—)	— (—)	192 (5.5)	— (—)	— (—)	— (—)	— (—)	— (—)	— (—)	— (—)	— (—)	— (—)
Guam	232 (0.7)	235 (1.0)	239 (1.7)	234 (2.6)	— (—)	— (—)	— (—)	— (—)	— (—)	— (—)	— (—)	— (—)	— (—)
Virgin Islands	219 (0.9)	223 (1.1)	— (—)	— (—)	— (—)	— (—)	— (—)	— (—)	— (—)	— (—)	— (—)	— (—)	— (—)

— Jurisdiction did not participate.

‡ Sample size is insufficient to permit a reliable estimate.

¹ Achievement levels are in trial status.

² Excludes students who responded "I don't know" to the question about educational level of parents.

³ This level denotes partial mastery of prerequisite knowledge and skills that are fundamental for proficient work at the 8th grade.

⁴ This level represents solid academic performance for 8th-graders. Students reaching this level have demonstrated competency over challenging subject matter, including subject-matter knowledge, application of such knowledge to real-world situations, and analytical skills appropriate to the subject matter.

⁵ This level signifies superior performance.

⁶ Did not meet one or more of the guidelines for school participation in 2000. Data are subject to appreciable nonresponse bias.

NOTE: Excludes persons not enrolled in school and those who were unable to be tested due to limited proficiency in English or due to a disability. These test scores are from the National Assessment of Educational Progress (NAEP). Fifty states, the District of Columbia, and two Department of Defense school systems participated in the 2003 State Assessment of 8th-graders and met student and school participation criteria for reporting results. Scale ranges from 0 to 500. Data for 2000 and 2003 are for situations where student accommodations were permitted. Detail may not sum to totals due to rounding. Standard errors appear in parentheses.

SOURCE: U.S. Department of Education, National Center for Education Statistics, *National Assessment of Educational Progress (NAEP), The Nations Report Card: Mathematics, 2003*; prepared by Educational Testing Service; and unpublished data, NAEP Data Tool (<http://nces.ed.gov/nationsreportcard/naepdata>). (This table was prepared August 2004.)