

Mathematics Performance of Students in 12 Grade

Table 12-2. Average mathematics scores of 12th-grade students, by content area and student and school characteristics: 2005

Student or school characteristic	Overall	Content Area			
		Numbers and operations	Measurement and geometry	Data analysis and probability	Algebra
Total	150	150	150	150	150
Sex					
Male	151	152	152	151	151
Female	149	148	148	149	150
Race/ethnicity ¹					
White	157	158	158	158	157
Black	127	126	124	126	130
Hispanic	133	132	134	132	134
Asian/Pacific Islander	163	160	163	157	167
American Indian/Alaska Native	134	132	141	134	129
Parents' education					
Did not finish high school	130	130	130	131	130
Graduated from high school	138	137	138	139	137
Some education after high school	148	149	148	148	148
Graduated from college	161	162	162	161	161
How often student discusses studies at home					
Every day	150	149	150	150	151
1–3 times a week	156	156	156	156	156
1–2 times a month	146	147	146	147	146
Never/hardly ever	144	144	144	144	143
Number of books in the home					
0–10	126	126	127	126	126
11–25	136	137	135	135	137
26–100	151	150	151	151	150
More than 100	163	163	163	163	163
Region					
West	148	147	149	148	149
Midwest	157	158	157	157	156
South	146	146	146	146	146
Northeast	151	152	151	151	151
Students in school eligible for free or reduced-price lunch					
10 percent or less	162	162	163	163	162
11–25 percent	155	154	155	155	156
26–50 percent	147	148	147	147	146
51–75 percent	136	135	134	136	136
More than 75 percent	122	121	122	121	123

¹ Race categories exclude persons of Hispanic ethnicity.

NOTE: The 2005 National Assessment of Educational Progress (NAEP) introduced a new mathematics assessment for 12th-grade students. As a result, the 2005 12th-grade assessment results cannot be compared with those from previous assessments. Reported on a 0–300 scale in 2005, the average mathematics score of 12th-graders was set at 150. See *supplemental note 4* for more information on NAEP.

SOURCE: Grigg, W., Donahue, P., and Dion, G. (2007). *The Nation's Report Card: 12th-Grade Reading and Mathematics 2005* (NCES 2007-468), data from U.S. Department of Education, National Center for Education Statistics, NAEP Data Explorer.