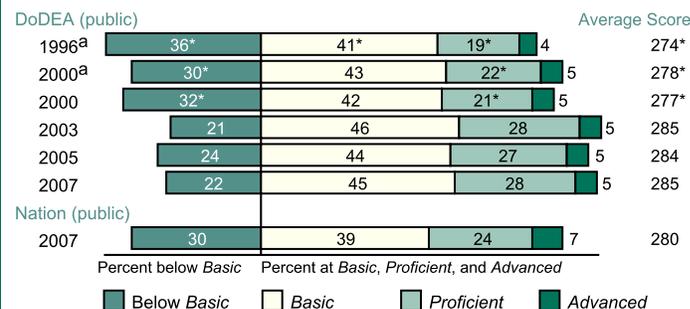


The National Assessment of Educational Progress (NAEP) assesses mathematics in five content areas: number properties and operations; measurement; geometry; data analysis and probability; and algebra. The NAEP mathematics scale ranges from 0 to 500.

Overall Mathematics Results for DoDEA

- In 2007, the average scale score for eighth-grade students in DoDEA was 285. This was not significantly different from their average score in 2005 (284) and was higher than their average score in 1996 (274).¹
- DoDEA's average score (285) in 2007 was higher than that of the nation's public schools (280).
- Of the 52 states and other jurisdictions that participated in the 2007 eighth-grade assessment, students' average scale score in DoDEA was higher than those in 23 jurisdictions, not significantly different from those in 20 jurisdictions, and lower than those in 8 jurisdictions.²
- The percentage of students in DoDEA who performed at or above the NAEP *Proficient* level was 33 percent in 2007. This percentage was not significantly different from that in 2005 (33 percent) and was greater than that in 1996 (22 percent).
- The percentage of students in DoDEA who performed at or above the NAEP *Basic* level was 78 percent in 2007. This percentage was not significantly different from that in 2005 (76 percent) and was greater than that in 1996 (64 percent).

Percentages at NAEP Achievement Levels and Average Score



^a Accommodations were not permitted for this assessment.

NOTE: The NAEP grade 8 mathematics achievement levels correspond to the following scale points: *Below Basic*, 261 or lower; *Basic*, 262–298; *Proficient*, 299–332; *Advanced*, 333 or above.

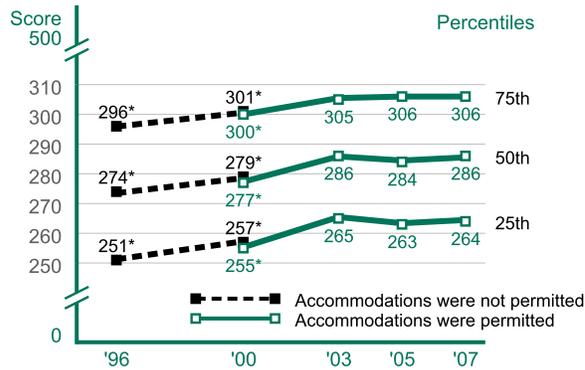
Performance of NAEP Reporting Groups in DoDEA: 2007

Reporting groups	Percent of students	Average score	Percent below Basic	Percent of students at or above Basic	Percent Proficient	Percent Advanced
Male	49	285	23	77	34	6
Female	51	285	22	78	32	4
White	48	291	16	84	40	7
Black	18	272	36	64	15	2
Hispanic	15	282	26	74	28	4
Asian/Pacific Islander	8	284	23	77	34	5
American Indian/Alaska Native	1	‡	‡	‡	‡	‡
Eligible for National School Lunch Program	#	‡	‡	‡	‡	‡
Not eligible for National School Lunch Program	#	‡	‡	‡	‡	‡

Average Score Gaps Between Selected Groups

- In 2007, male students in DoDEA had an average score that was not significantly different from that of female students. In 1996, there was no significant difference between the average score of male and female students.
- In 2007, Black students had an average score that was lower than that of White students by 19 points. This performance gap was narrower than that of 1996 (28 points).
- In 2007, Hispanic students had an average score that was lower than that of White students by 10 points. In 1996, the average score for Hispanic students was lower than that of White students by 16 points.
- Data are not reported for students who were eligible and not eligible for free/reduced-price school lunch in DoDEA in 2007, because reporting standards were not met. Therefore, the performance gap results are not reported.
- In 2007, the score gap between students at the 75th percentile and students at the 25th percentile was 42 points. In 1996, the score gap between students at the 75th percentile and students at the 25th percentile was 45 points.

Mathematics Scores at Selected Percentiles



NOTE: Scores at selected percentiles on the NAEP mathematics scale indicate how well students at lower, middle, and higher levels performed.

Rounds to zero.

‡ Reporting standards not met.

* Significantly different from 2007.

↑ Significantly higher than 2005. ↓ Significantly lower than 2005.

¹ Comparisons (higher/lower/narrower/wider/not different) are based on statistical tests. The .05 level was used for testing statistical significance. Statistical comparisons are calculated on the basis of unrounded scale scores or percentages. Comparisons across jurisdictions and comparisons with the nation or within a jurisdiction across years may be affected by differences in exclusion rates for students with disabilities (SD) and English language learners (ELL). The exclusion rates for SD and ELL in DoDEA were 1 percent and 1 percent in 2007, respectively. For more information on NAEP significance testing see <http://nces.ed.gov/nationsreportcard/mathematics/interpret-results.asp#statistical>.

² "Jurisdictions" refers to states and the District of Columbia and the Department of Defense Education Activity schools.

NOTE: Detail may not sum to totals because of rounding and because the "Information not available" category for the National School Lunch Program, which provides free and reduced-price lunches, and the "Unclassified" category for race/ethnicity are not displayed. Visit <http://nces.ed.gov/nationsreportcard/states/> for additional results and detailed information.

SOURCE: U.S. Department of Education, Institute of Education Sciences, National Center for Education Statistics, National Assessment of Educational Progress (NAEP), various years, 1996–2007 Mathematics Assessments.