

Overall Results

- In 2017, the average score of eighth-grade students in Pennsylvania was 286. This was higher than the average score of 282 for public school students in the nation.
- The average score for students in Pennsylvania in 2017 (286) was not significantly different from their average score in 2015 (284) and was higher than their average score in 2003 (279).
- The percentage of students in Pennsylvania who performed at or above the NAEP *Proficient* level was 38 percent in 2017. This percentage was not significantly different from that in 2015 (36 percent) and was greater than that in 2003 (30 percent).
- The percentage of students in Pennsylvania who performed at or above the NAEP *Basic* level was 73 percent in 2017. This percentage was not significantly different from that in 2015 (72 percent) and was greater than that in 2003 (69 percent).

Compare the Average Score in 2017 to Other States/Jurisdictions



In 2017, the average score in Pennsylvania (286) was

lower than those in 5 states/jurisdictions

higher than those in 29 states/jurisdictions

not significantly different from those in 18 states/jurisdictions

DoDEA = Department of Defense Education Activity (overseas and domestic schools)

Results for Student Groups in 2017

	Percentage	Avg.	Percentage at or above		Percentage at
Reporting Groups	of students	score			Advanced
Race/Ethnicity				-	
White	70	294	81	45	13
Black	14	261	49	12	2
Hispanic	9	262	47	17	4
Asian	4	311	83	63	36
American Indian/Alaska	Native #	‡	‡	‡	‡
Native Hawaiian/Pacific	: Islander #	‡	‡	+	‡
Two or more races	2	280	68	29	7
Gender					
Male	51	285	71	38	12
Female	49	288	74	39	12
National School Lunch P	rogram				
Eligible	45	269	58	20	4
Not eligible	55	301	85	53	18
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Rounds to zero.

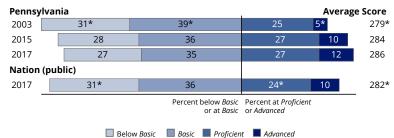
‡ Reporting standards not met.

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/reduced-price lunches, is not displayed. Black includes African American and Hispanic includes Latino. Race categories exclude Hispanic origin.



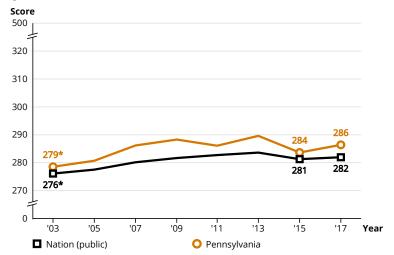
Achievement-Level Percentages and Average Score Results



* Significantly different (p < .05) from state's results in 2017. Significance tests were performed using unrounded numbers.

NOTE: Detail may not sum to totals because of rounding.

Average Scores for State/Jurisdiction and Nation (public)



* Significantly different (p < .05) from 2017. Significance tests were performed using unrounded numbers.

Score Gaps for Student Groups

- In 2017, Black students had an average score that was 33 points lower than that for White students. This performance gap was not significantly different from that in 2003 (38 points).
- In 2017, Hispanic students had an average score that was 32 points lower than that for White students. This performance gap was not significantly different from that in 2003 (32 points).
- In 2017, male students in Pennsylvania had an average score that was not significantly different from that for female students.
- In 2017, students who were eligible for free/reduced-price school lunch, an indicator of low family income, had an average score that was 31 points lower than that for students who were not eligible. This performance gap was not significantly different from that in 2003 (31 points).

NOTE: The NAEP mathematics scale ranges from 0 to 500. Statistical comparisons are calculated on the basis of unrounded scale scores or percentages. Read more about how to interpret NAEP results from the mathematics assessment at https://nces.ed.gov/nationsreportcard/mathematics/interpret_results.aspx. SOURCE: U.S. Department of Education, Institute of Education Sciences, National Center for Education Statistics, National Assessment of Educational Progress (NAEP), various years, 2003-2017 Mathematics Assessments.