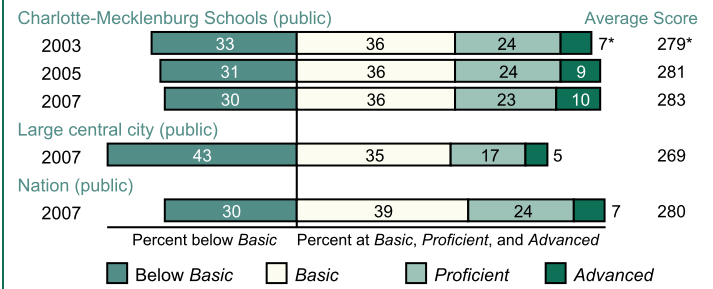


The National Assessment of Educational Progress (NAEP) assesses mathematics on a 0-500 point scale. In 2007, Charlotte-Mecklenburg Schools was one of eleven urban districts that voluntarily participated in the NAEP mathematics assessment on a trial basis.

**Overall Mathematics Results for Charlotte**

- In 2007, the average scale score for eighth-grade students in Charlotte was 283. This was not significantly different from their average score in 2005 (281) and was higher than their average score in 2003 (279).<sup>1</sup>
- Charlotte's average score (283) in 2007 was higher than that of public schools in large central cities<sup>2</sup> (269).
- The percentage of students in Charlotte who performed at or above the NAEP *Proficient* level was 34 percent in 2007. This percentage was not significantly different from that in 2005 (33 percent) and was not significantly different from that in 2003 (32 percent).
- The percentage of students in Charlotte who performed at or above the NAEP *Basic* level was 70 percent in 2007. This percentage was not significantly different from that in 2005 (69 percent) and was not significantly different from that in 2003 (67 percent).

**Percentages at NAEP Achievement Levels and Average Score**



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.

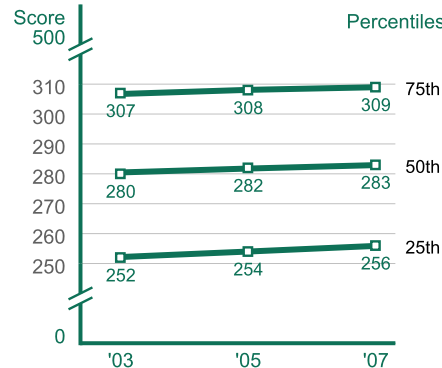
**Performance of NAEP Reporting Groups in Charlotte: 2007**

Reporting groups	Percent of students <sup>3</sup>	Average score	Percent below <i>Basic</i>	Percent of students at or above		Percent <i>Advanced</i>
				<i>Basic</i>	<i>Proficient</i>	
Male	49	282	32	68	33	11
Female	51	284	28	72	34	10
White	34	308	10	90	62	24
Black	47	267	42	58	15	1
Hispanic	12 ↑	264	50	50	19	2
Asian/Pacific Islander	5	305	12	88	56	23
American Indian/Alaska Native	#	‡	‡	‡	‡	‡
Eligible for National School Lunch Program	49	265	46	54	14	1
Not eligible for National School Lunch Program	50	300	15	85	53	19

**Average Score Gaps Between Selected Groups**

- In 2007, male students in Charlotte had an average score that was not significantly different from that of female students. In 2003, 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 41 points. In 2003, the average score for Black students was lower than that of White students by 43 points.
- In 2007, Hispanic students had an average score that was lower than that of White students by 44 points. In 2003, the average score for Hispanic students was lower than that of White students by 40 points.
- In 2007, students who were eligible for free/reduced-price school lunch, a proxy for poverty, had an average score that was lower than that of students who were not eligible for free/reduced-price school lunch by 35 points. In 2003, the average score for students who were eligible for free/reduced-price school lunch was lower than the score of those not eligible by 36 points.
- In 2007, the score gap between students at the 75th percentile and students at the 25th percentile was 53 points. In 2003, the score gap between students at the 75th percentile and students at the 25th percentile was 55 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.

<sup>1</sup> 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 Charlotte were 2 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>.

<sup>2</sup> "Large central city" includes public schools located in large central cities (population 250,000 or more) within metropolitan statistical areas as defined by the federal Office of Management and Budget. It is not synonymous with "inner city."

<sup>3</sup> For comparison, non-White students comprised 77 percent of students in large central city public schools and 42 percent in public schools nationally at grade 8. Also, students eligible for free/reduced-price school lunch comprised 65 percent of students in large central city public schools and 41 percent in public schools nationally.

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/mathematics/tuda.asp> 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, 2003–2007 Trial Urban District Mathematics Assessments.