

NAEP 2009 Grade 12 Mathematics Results

All Students (See [Table 21](#))

- With scale ranges from 0 to 300, the average scale score for New Hampshire students was 160. This was significantly higher than the national average of 152 for public school students.
- The percentage of students in New Hampshire who performed at or above the NAEP *Proficient* level was 32 percent versus 25 percent for the nation.
- The percentage of students in New Hampshire who performed at or above the NAEP *Basic* level was 74 percent versus 63 percent for the nation.

By Gender (See [Table 24](#) & [Table 27](#))

- The average scale score for New Hampshire female students was 160. This was significantly higher than the national average of 151 for public school female students.
- The percentage of female students in New Hampshire who performed at or above the NAEP *Proficient* level was 30 percent versus 23 percent for the nation.
- The percentage of female students in New Hampshire who performed at or above the NAEP *Basic* level was 75 percent versus 62 percent for the nation.
- The average scale score for New Hampshire male students was 161. This was significantly higher than the national average of 154 for public school male students.
- The percentage of male students in New Hampshire who performed at or above the NAEP *Proficient* level was 35 percent versus 27 percent for the nation.
- The percentage of male students in New Hampshire who performed at or above the NAEP *Basic* level was 73 percent versus 64 percent for the nation.

National School Lunch Participation (See [Table 29](#) & [Table 30](#))

- The average scale score for New Hampshire students eligible for participation in the National School Lunch Program was 149. This compared to the national average of 137 for public school students eligible for participation in the National School Lunch Program.
- The percentage of students eligible for participation in the National School Lunch Program in New Hampshire who performed at or above the NAEP *Proficient* level was 18 percent versus 10 percent for the nation.

- The percentage of students eligible for participation in the National School Lunch Program in New Hampshire who performed at or above the NAEP *Basic* level was 62 percent versus 45 percent for the nation.
- The average scale score for New Hampshire students not eligible for participation in the National School Lunch Program was 162. This compared to the national average of 159 for public school students not eligible for participation in the National School Lunch Program.
- The percentage of students not eligible for participation in the National School Lunch Program in New Hampshire who performed at or above the NAEP *Proficient* level was 34 percent versus 31 percent for the nation.
- The percentage of students eligible for participation in the National School Lunch Program in New Hampshire who performed at or above the NAEP *Basic* level was 76 percent versus 71 percent for the nation.

Students with a Disability (See [Table 33](#) & [Table 34](#))

- The average scale score for New Hampshire students with a disability was 135. This compared to the national average of 118 for public school students with a disability.
- The percentage of students with a disability in New Hampshire who performed at or above the NAEP *Proficient* level was 13 percent versus 6 percent for the nation.
- The percentage of students with a disability in New Hampshire who performed at or above the NAEP *Basic* level was 40 percent versus 24 percent for the nation.
- The average scale score for New Hampshire students without a disability was 165. This compared to the national average of 155 for public school students without a disability.
- The percentage of students without a disability in New Hampshire who performed at or above the NAEP *Proficient* level was 35 percent versus 26 percent for the nation.
- The percentage of students without a disability in New Hampshire who performed at or above the NAEP *Basic* level was 79 percent versus 66 percent for the nation.

Parental Education Level (See [Table 35](#) & [Table 37](#))

- The average scale score for New Hampshire students with highest parental education level – Graduated from High School was 150. This compared to the national average of 141 for public school students with highest parental education level – Graduated from High School.

- The percentage of students with highest parental education level – Graduated from High School in New Hampshire who performed at or above the NAEP *Proficient* level was 19 percent versus 14 percent for the nation.
- The percentage of students with highest parental education level – Graduated from High School in New Hampshire who performed at or above the NAEP *Basic* level was 65 percent versus 51 percent for the nation.
- The average scale score for New Hampshire students with highest parental education level – Graduated from College was 169. This compared to the national average of 163 for public school students with highest parental education level – Graduated from College.
- The percentage of students with highest parental education level – Graduated from College in New Hampshire who performed at or above the NAEP *Proficient* level was 43 percent versus 37 percent for the nation.
- The percentage of students with highest parental education level – Graduated from College in New Hampshire who performed at or above the NAEP *Basic* level was 82 percent versus 75 percent for the nation.

Race/Ethnicity of Students – All Students (See [Table 22](#) & [Table 23](#))

Note: Non-White Students were grouped together due to sample-size limitations in reporting by separate race/ethnicity.

- The average scale score for White, Non-Hispanic New Hampshire students was 161. This compared to the national average of 160 for White, Non-Hispanic public school students.
- The percentage of White, Non-Hispanic students in New Hampshire who performed at or above the NAEP *Proficient* level was 32 percent versus 31 percent for the nation.
- The percentage of White, Non-Hispanic students in New Hampshire who performed at or above the NAEP *Basic* level was 74 percent versus 74 percent for the nation.
- The average scale score for Non-White (including Hispanic) New Hampshire students was 158. This compared to the national average of 141 for Non-White (including Hispanic) public school students.
- The percentage of Non-White (including Hispanic) students in New Hampshire who performed at or above the NAEP *Proficient* level was 32 percent versus 15 percent for the nation.
- The percentage of Non-White (including Hispanic) students in New Hampshire who performed at or above the NAEP *Basic* level was 68 percent versus 48 percent for the nation.

Race/Ethnicity of Students – By Gender (See [Table 25](#), [Table 27](#), & [Table 28](#))

Note: Non-White Students were grouped together due to sample-size limitations in reporting by separate race/ethnicity. Reporting standards were not met for Non-White (including Hispanic) female New Hampshire students.

- The average scale score for White, Non-Hispanic female New Hampshire students was 160. This compared to the national average of 159 for White, Non-Hispanic female public school students.
- The percentage of White, Non-Hispanic female students in New Hampshire who performed at or above the NAEP *Proficient* level was 30 percent versus 29 percent for the nation.
- The percentage of White, Non-Hispanic female students in New Hampshire who performed at or above the NAEP *Basic* level was 76 percent versus 73 percent for the nation.

- The average scale score for White, Non-Hispanic male New Hampshire students was 161. This compared to the national average of 161 for White, Non-Hispanic male public school students.
- The percentage of White, Non-Hispanic male students in New Hampshire who performed at or above the NAEP *Proficient* level was 34 percent versus 34 percent for the nation.
- The percentage of White, Non-Hispanic male students in New Hampshire who performed at or above the NAEP *Basic* level was 73 percent versus 74 percent for the nation.

- The average scale score for Non-White (including Hispanic) male New Hampshire students was 162. This compared to the national average of 143 for Non-White (including Hispanic) male public school students.
- The percentage of Non-White (including Hispanic) male students in New Hampshire who performed at or above the NAEP *Proficient* level was 38 percent versus 17 percent for the nation.
- The percentage of Non-White (including Hispanic) male students in New Hampshire who performed at or above the NAEP *Basic* level was 68 percent versus 50 percent for the nation.

Race/Ethnicity of Students – National School Lunch Participation (See [Table 31](#) & [Table 32](#))

Note: Non-White Students were grouped together due to sample-size limitations in reporting by separate race/ethnicity.

- The average scale score for White, Non-Hispanic New Hampshire students not eligible for participation in the National School Lunch Program was 162. This compared to the national average of 163 for White, Non-Hispanic public school students not eligible for participation in the National School Lunch Program.
- The percentage of White, Non-Hispanic students not eligible for participation in the National School Lunch Program in New Hampshire who performed at or above the NAEP *Proficient* level was 34 percent versus 34 percent for the nation.

- The percentage of White, Non-Hispanic students not eligible for participation in the National School Lunch Program in New Hampshire who performed at or above the NAEP *Basic* level was 76 percent versus 76 percent for the nation.
- The average scale score for Non-White (including Hispanic) New Hampshire students not eligible for participation in the National School Lunch Program was 164. This compared to the national average of 150 for Non-White (including Hispanic) public school students not eligible for participation in the National School Lunch Program.
- The percentage of Non-White (including Hispanic) students not eligible for participation in the National School Lunch Program in New Hampshire who performed at or above the NAEP *Proficient* level was 39 percent versus 23 percent for the nation.
- The percentage of Non-White (including Hispanic) students not eligible for participation in the National School Lunch Program in New Hampshire who performed at or above the NAEP *Basic* level was 72 percent versus 58 percent for the nation.

Race/Ethnicity of Students – Parental Education Level (See [Table 36](#), [Table 38](#) & [Table 39](#))

Note: Non-White Students were grouped together due to sample-size limitations in reporting by separate race/ethnicity. The number of Non-White Students with highest parental education level – Graduated from High School in New Hampshire was not large enough to report results.

- The average scale score for White, Non-Hispanic New Hampshire students with highest parental education level – Graduated from High School was 151. This compared to the national average of 148 for White, Non-Hispanic public school students with highest parental education level – Graduated from High School.
- The percentage of White, Non-Hispanic students with highest parental education level – Graduated from High School in New Hampshire who performed at or above the NAEP *Proficient* level was 16 percent versus 16 percent for the nation.
- The percentage of White, Non-Hispanic students with highest parental education level – Graduated from High School in New Hampshire who performed at or above the NAEP *Basic* level was 66 percent versus 60 percent for the nation.
- The average scale score for White, Non-Hispanic New Hampshire students with highest parental education level – Graduated from College was 169. This compared to the national average of 169 for White, Non-Hispanic public school students with highest parental education level – Graduated from College.
- The percentage of White, Non-Hispanic students with highest parental education level – Graduated from College in New Hampshire who performed at or above the NAEP *Proficient* level was 42 percent versus 42 percent for the nation.

- The percentage of White, Non-Hispanic students with highest parental education level – Graduated from College in New Hampshire who performed at or above the NAEP *Basic* level was 82 percent versus 82 percent for the nation.
- The average scale score for Non-White (including Hispanic) New Hampshire students with highest parental education level – Graduated from College was 174. This compared to the national average of 152 for Non-White (including Hispanic) public school students with highest parental education level – Graduated from College.
- The percentage of Non-White (including Hispanic) students with highest parental education level – Graduated from College in New Hampshire who performed at or above the NAEP *Proficient* level was 48 percent versus 25 percent for the nation.
- The percentage of Non-White (including Hispanic) students with highest parental education level – Graduated from College in New Hampshire who performed at or above the NAEP *Basic* level was 80 percent versus 60 percent for the nation.

Race/Ethnicity – Grades 4, 8, and 12 in Reading and Mathematics (See [Table 40](#) & [Table 41](#))

- In Reading, White, Non-Hispanic New Hampshire students scored at or near the national average for White, Non-Hispanic public school students for all three grades – 4, 8, and 12.
- In Reading, Non-White (including Hispanic) New Hampshire students scored significantly higher in comparison to Non-White (including Hispanic) students throughout the nation.
- As the sampled grade increased for Reading, the separation gap decreased and finally closed between White and Non-White New Hampshire students for grade 12.
- In Mathematics, White, Non-Hispanic New Hampshire students scored slightly above the national average for White, Non-Hispanic public school students for all three grades – 4, 8, and 12, but were not significantly different for grades 8 and 12.
- In Mathematics, Non-White (including Hispanic) New Hampshire students scored significantly higher in comparison to Non-White (including Hispanic) students throughout the nation.
- As the sampled grade increased for Mathematics, the separation gap decreased and nearly closed between White and Non-White New Hampshire students for grade 12.