

# Percent Proficient in Subject for Pilot States NAEP 2013 Grade 12 Pilot - Mathematics

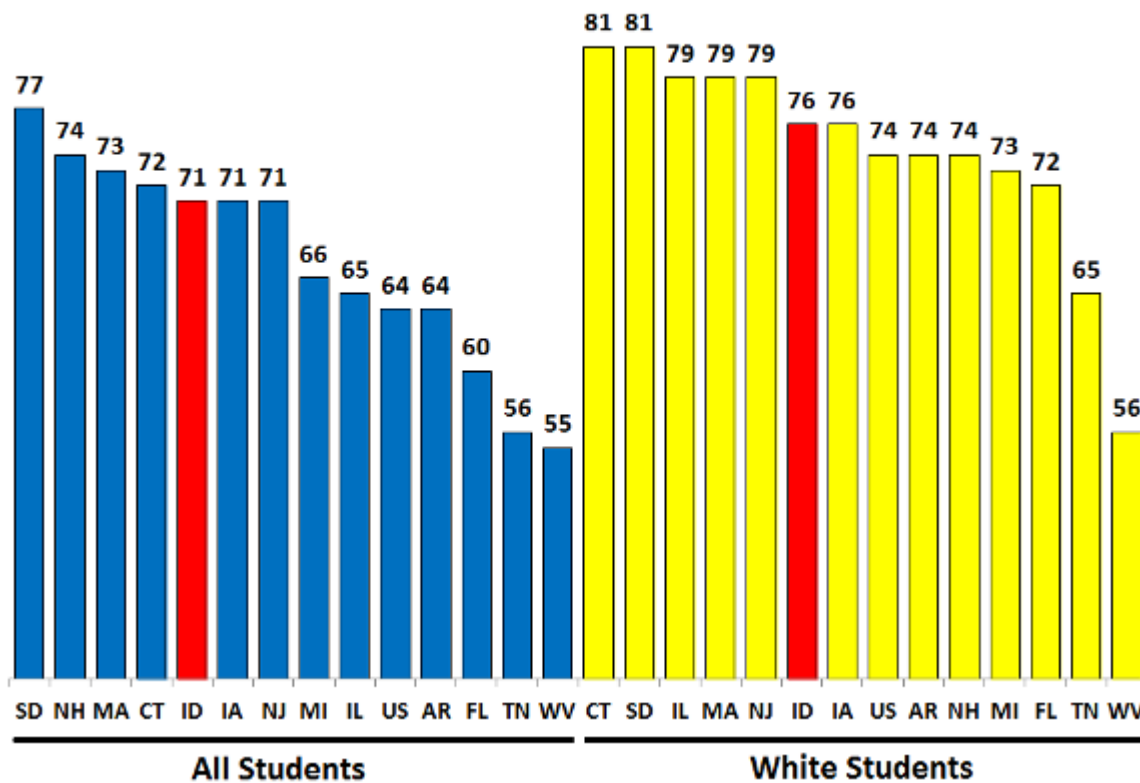


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The National Assessment of Educational Progress (NAEP) mathematics assessment used multiple-choice and constructed-response items to examine student knowledge and skills in algebra, data analysis and statistics, measurement and geometry, and number properties and operations. Scores range from zero (0) to 300, where 141 is *Basic* (i.e., proficient in mathematics, or meets grade 12 expectations), 176 is *Proficient*, and 216 is *Advanced*.

## Percent "Proficient in Mathematics" for Pilot States

NAEP 2013 State Grade 12 Pilot



Caution should be exercised when making cross-state comparisons on “average scores.” The 13 states in the pilot enjoyed a large diversity in their demographic characteristics. The cross-state profile for All seniors can differ considerably from the cross-state profile for any of the various demographic groups. The graph above shows how the cross-state profiles for All Seniors and for White Seniors differed on the NAEP 2013 Grade 12 Pilot reading assessment. No statistical comparisons were conducted on the intra-state differences, so the apparent differences may or may not be statistically significant. [Note: the only groups NAEP reported for all pilot states in 2013 were All and White.]

See <http://bdsphd.tripod.com/docs/pub0001a.pdf> for a brief discussion about the difference between the NAEP achievement level named *Proficient* (which describes above grade level performance) and NAEP achievement level named *Basic* (which describes proficiency in a subject, or meeting grade-level expectations).

Source: U.S. Department of Education, Institute of Education Sciences, National Center for Education Statistics, National Assessment of Educational Progress (NAEP), 2013 NAEP State Grade 12 Pilot - Mathematics. Visit <http://bdsphd.tripod.com> (select NAEP on the navigation bar).