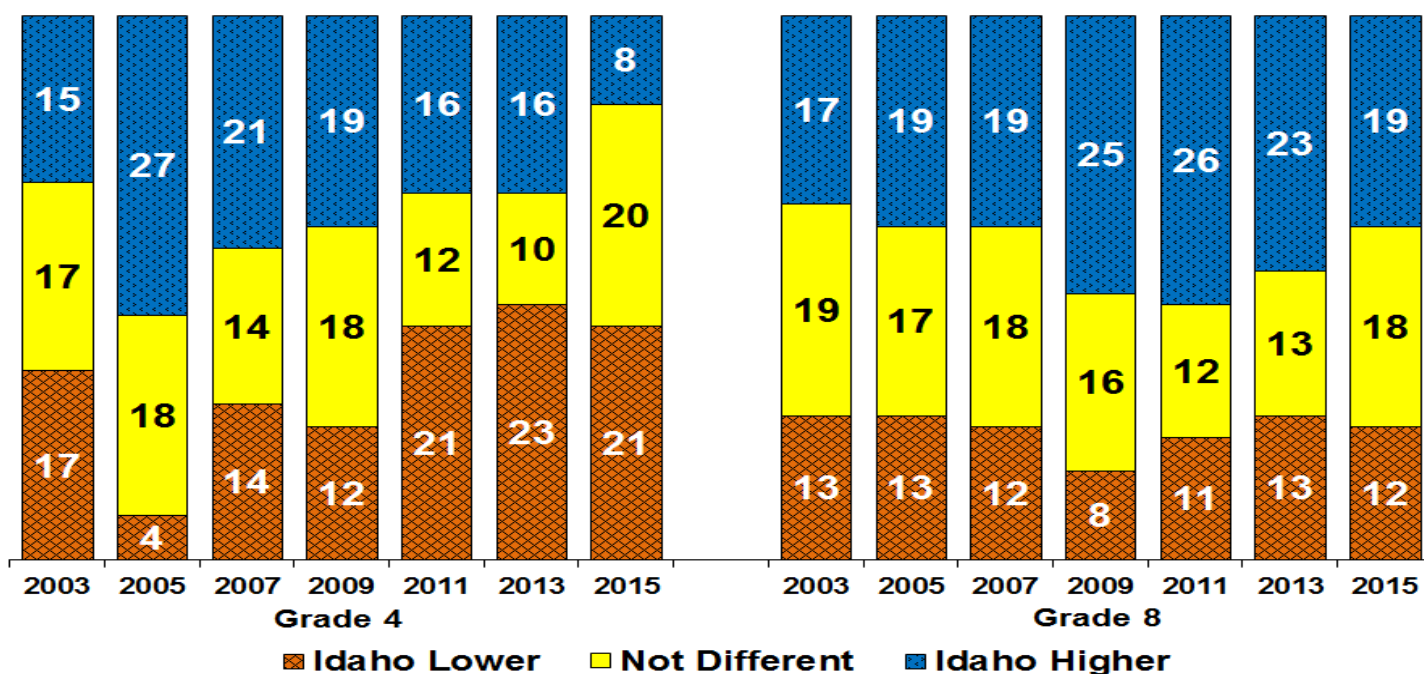




Idaho Cross-State Comparisons History—All Students NAEP 2003-2015 Mathematics, Grades 4 & 8

The Mathematics assessment of the National Assessment of Educational Progress (NAEP) used multiple-choice and constructed-response questions to examine student skills in number properties & operations, measurement, geometry, algebra & functions, and data analysis & probability. NAEP does not sample students enrolled in virtual charter schools. The uncertainty in NAEP estimates due to sampling procedures prohibits using average scores to compare or rank order the states. NAEP, however, provides for statistical procedures that compare each of the 49 states with Idaho classifying each state's average score as higher than, lower than, or not significantly different from Idaho.

How Idaho Compared with the Other 49 States NAEP Mathematics 2003-2015, All Students



Idaho **fourth graders** had average scale scores on the NAEP mathematics assessments that were:

- *Higher than* 15 states in 2003, 27 states in 2005, 21 states in 2007, 19 states in 2009; 16 states in 2011, 16 states in 2013, and 8 states in 2015.
- *Not statistically different from* 17 states in 2003, 18 states in 2005, 14 states in 2007, 18 states in 2009, 12 states in 2011, 10 states in 2013, and 20 states in 2015.
- *Lower than* 17 states in 2003, 4 states in 2005, 14 states in 2007, 12 states in 2009, 21 states in 2011, 23 states in 2013, and 21 states in 2015.

Idaho **eighth graders** had average scale scores on the NAEP mathematics assessments that were:

- *Higher than* 17 states in 2003, 19 states in 2005, 19 states in 2007, 25 states in 2009, 26 states in 2011, 23 states in 2013, and 19 states in 2015.
- *Not statistically different from* 19 states in 2003, 17 states in 2005, 18 states in 2007, 16 states in 2009, 12 states in 2011, 13 states in 2013, and 18 states in 2015.
- *Lower than* 13 states in 2003, 13 states in 2005, 12 states in 2007, 8 states in 2009, 11 states in 2011, 13 states in 2013, and 12 states in 2015.

Note: Comparisons based on pair-wise t-tests (family probability level $p < .05$) using unrounded numbers that considered the magnitude of difference and standard errors. **Source:** U.S. Department of Education, Institute of Education Sciences, National Center for Education Statistics, National Assessment of Educational Progress (NAEP), 2003, 2005, 2007, 2009, 2011, 2013 and 2015 Mathematics Assessments.

