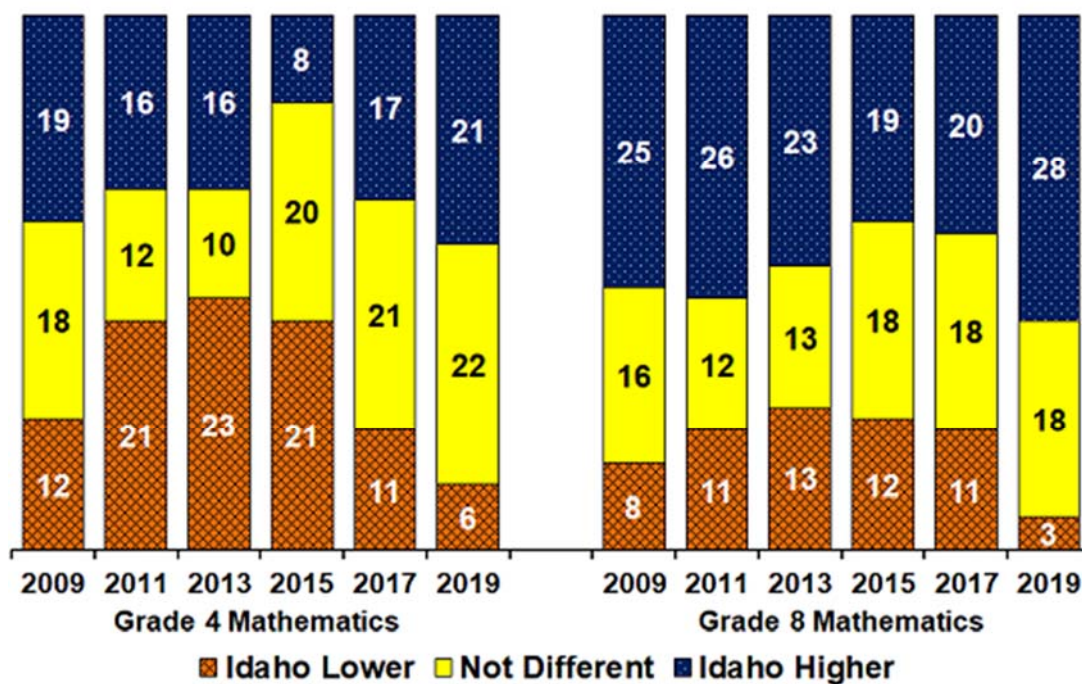




## Idaho Cross State Comparisons History—All Students NAEP 2009-2019 Mathematics, Grades 4 & 8

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. Statistical comparisons of Idaho's average score with the average scores from each of the other 49 states resulted in a finding that Idaho scored higher than X states, Idaho was not significantly different from Y states, and Idaho scored lower than Z states.

### How Did Idaho Compare to The Other 49 States? NAEP Mathematics, 2009 to 2019, All Students



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

- **Higher than** 19 states in 2009; 16 states in 2011, 16 states in 2013, 8 states in 2015, 17 states in 2017, and 21 states in 2019.
- **Not statistically different** from 18 states in 2009, 12 states in 2011, 10 states in 2013, 20 states in 2015, 21 states in 2017, and 22 states in 2019.
- **Lower than** 12 states in 2009, 21 states in 2011, 23 states in 2013, and 21 states in 2015, 11 states in 2017, and 6 states in 2019.

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

- **Higher than** 25 states in 2009, 26 states in 2011, 23 states in 2013, 19 states in 2015, 20 states in 2017, and 28 states in 2019.
- **Not statistically different** from 16 states in 2009, 12 states in 2011, 13 states in 2013, 18 states in 2015, 18 states in 2017, and 16 states in 2019.
- **Lower than** 8 states in 2009, 11 states in 2011, 13 states in 2013, 12 states in 2015, 11 states in 2017, and 3 states in 2019.

**Note:** Comparisons based on pairwise 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), 2009, 2011, 2013, 2015, 2017, and 2019 Mathematics Assessments, Grades 4 and 8.