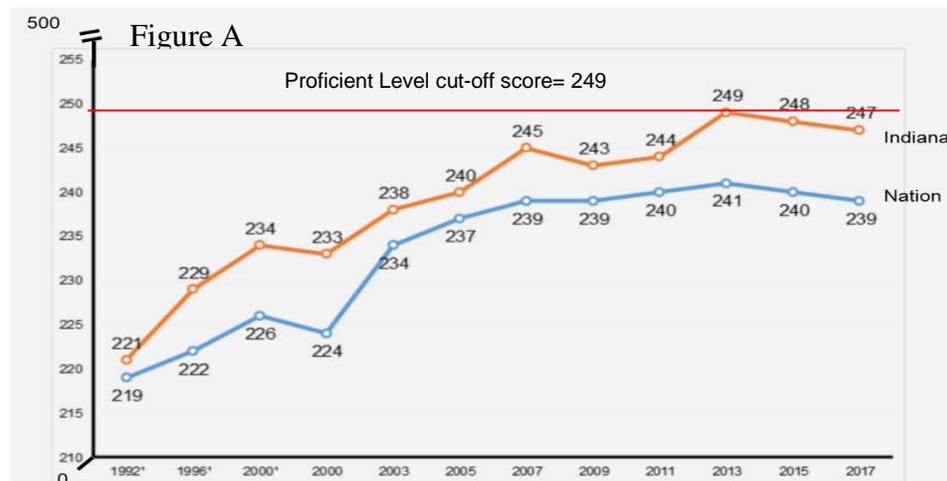


2017 Mathematics Results

Indiana Performance in Grade 4

NAEP Overview-The National Assessment of Educational Progress (NAEP) is the largest nationally representative assessment of what America's students know and can do in various subject areas. NAEP provides results on subject-matter achievement for populations of students. NAEP does not provide scores for individual students or schools. NAEP results are based on representative samples of students at grades 4, 8, and 12. These assessments follow the frameworks developed by the National Assessment Governing Board and are assessed at grades 4, 8, and 12, although not all grades are assessed each time. Four of these subjects (mathematics, reading, science, and writing) are reported also at the state level, usually for grades 4 and 8. For national assessments, students in public and private schools are assessed, but at the state level, assessment is in public schools only.

A Nationally representative sample of 181,500 Grade 4 students and 182,100 Grade 8 students participated in the National Assessment of Educational Progress (NAEP) Mathematics Administration. In Grade 4, Indiana had approximately 2,700 students participate in the mathematics assessment and 2,900 Grade 8 students participated. Students participated in the assessment on NAEP-provided tablets designed to measure what students know and can do across five mathematical reporting categories: Number Properties and Operations, Measurement, Geometry, Data Analysis/Statistics and Probability. In 2017, Indiana's average score went down one point. Even though both the Nation and Indiana student score has dropped one point in 2015 and 2017, the gap between the Nation and Indiana has remained an eight point difference from 2013 to 2017.



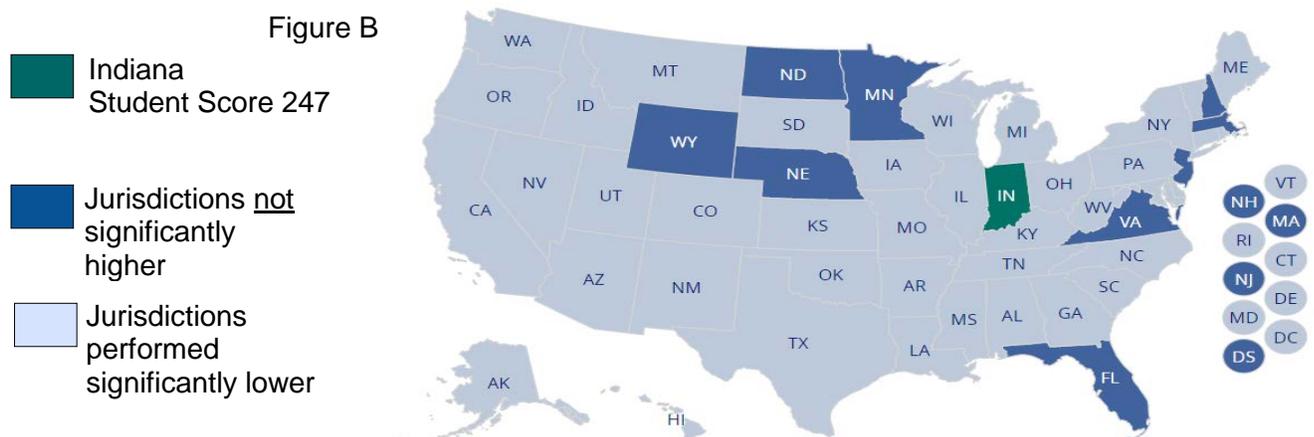
SOURCE: U.S. Department of Education, Institute of Education Sciences, National Center for Education Statistics, National Assessment of Educational Progress (NAEP), 2017 Mathematics Assessment.

2017 Mathematics Results

Indiana Performance in Grade 4

In 2013, the Indiana average score was a 249 which is NAEP's Proficient score (Figure A). Students reaching the Proficient Level have demonstrated competency over challenging subject matter knowledge and applying this knowledge to real world situations. Achieving a Proficient Level score also means students possess analytical skills appropriate to the subject matter. This is not the same as being on grade level which refers to performance on local curriculum and standards. Leading up to 2017, only five states have achieved a state average score of 249 from 1992 to 2017. Only Massachusetts and New Jersey scored a 249 in 2015. Massachusetts and Minnesota scored a 249 in 2017.

In 2013 and 2015, Indiana had the 4th highest score in the nation. In 2017, the nation saw a decrease throughout all states in Grade 4 Mathematics. No other state score was statistically higher than Indiana (Figure B). There were ten states with the statistically same score as Indiana. New Hampshire and Massachusetts are two states in the previous four years who consistently outperform Indiana on the NAEP Mathematics assessment. In 2017, Indiana's student score was statistically the same as New Hampshire and Massachusetts. According to the NAEP 2017 Mathematical data, the achievement gap between Indiana, New Hampshire, and Massachusetts has finally closed when compared state-to-state with Indiana. It will be vital to see how far Indiana students can go to make sure their performance remains even with New Hampshire and Massachusetts or even outperform them on the 2019 NAEP Mathematics assessment.



SOURCE: U.S. Department of Education, Institute of Education Sciences, National Center for Education Statistics, National Assessment of Educational Progress (NAEP), 2017 Mathematics Assessment.