

Rhode Island

Grades 4 and 8 Public Schools

State Report

Mathematics 2022

This report provides selected results for Rhode Island's public school students at grades 4 and 8 from the 2022 National Assessment of Educational Progress (NAEP) assessment in mathematics. Results are reported by average scale scores and by NAEP achievement levels (*NAEP Basic*, *NAEP Proficient*, and *NAEP Advanced*).

State-level results in mathematics are available for 14 assessment years (at grade 8 in 1990; and at both grades 4 and 8 in 1992, 1996, 2000, 2003, 2005, 2007, 2009, 2011, 2013, 2015, 2017, 2019, and 2022), although not all states may have participated or met the criteria for reporting in every assessment year. All 50 states, the District of Columbia, Department of Defense Education Activity (DoDEA) schools, and Puerto Rico participated in the 2022 mathematics assessment at grades 4 and 8.

For more information about the assessment, visit the NAEP page of the National Center for Education Statistics (NCES) website at: <https://nces.ed.gov/nationsreportcard/>, which contains

- *The Nation's Report Card™, Mathematics 2022*;
- the full set of national, state, and district results in an interactive database; and
- released test questions, scoring guides, and item-level performance data.

NAEP is a project of the National Center for Education Statistics (NCES), reporting on the academic achievement of elementary and secondary students in the United States.

KEY FINDINGS FOR 2022

Grade 4

- In 2022, the average mathematics scale score for fourth-grade students in Rhode Island was 234. This was not significantly different from that for the nation's public schools (235).
- The average scale score for students in Rhode Island in 2022 (234) was higher than that in 1992 (215) and was lower than that in 2019 (239).
- In 2022, the percentage of students in Rhode Island who performed at or above *NAEP Proficient* was 34 percent. This was not significantly different from that for the nation's public schools (35 percent).
- The percentage of students in Rhode Island who performed at or above *NAEP Proficient* in 2022 (34 percent) was greater than that in 1992 (13 percent) and was smaller than that in 2019 (40 percent).
- In 2022, the percentage of students in Rhode Island who performed at or above *NAEP Basic* was 74 percent. This was not significantly different from that for the nation's public schools (74 percent).
- The percentage of students in Rhode Island who performed at or above *NAEP Basic* in 2022 (74 percent) was greater than that in 1992 (54 percent) and was smaller than that in 2019 (81 percent).

Grade 8

- In 2022, the average mathematics scale score for eighth-grade students in Rhode Island was 270. This was lower than that for the nation's public schools (273).
- The average scale score for students in Rhode Island in 2022 (270) was higher than that in 1990 (260) and was lower than that in 2019 (276).
- In 2022, the percentage of students in Rhode Island who performed at or above *NAEP Proficient* was 24 percent. This was not significantly different from that for the nation's public schools (26 percent).
- The percentage of students in Rhode Island who performed at or above *NAEP Proficient* in 2022 (24 percent) was greater than that in 1990 (15 percent) and was smaller than that in 2019 (29 percent).
- In 2022, the percentage of students in Rhode Island who performed at or above *NAEP Basic* was 58 percent. This was not significantly different from that for the nation's public schools (60 percent).
- The percentage of students in Rhode Island who performed at or above *NAEP Basic* in 2022 (58 percent) was greater than that in 1990 (49 percent) and was smaller than that in 2019 (64 percent).

The U.S. Department of Education, Institute of Education Sciences, National Center for Education Statistics, and National Assessment of Educational Progress (NAEP) have provided software that generated user-selectable data, statistical significance test result statements, and technical descriptions of the NAEP assessments for this report. Content may be added or edited by states or other jurisdictions. This document, therefore, is not an official publication of the National Center for Education Statistics.

Introduction

What Was Assessed?

The National Assessment of Educational Progress (NAEP) mathematics assessment measures students' knowledge and skills in mathematics and their ability to solve problems in mathematical and real-world contexts. Performance results are reported for the nation overall, for states and jurisdictions, and for 26 districts participating in the Trial Urban District Assessment (TUDA). The 2022 NAEP mathematics assessment was the third digitally based assessment. In 2017, the NAEP mathematics assessment transitioned from a paper-based assessment (PBA) to a digitally based assessment (DBA) at grades 4 and 8. A multi-step process was used for the transition from PBA to DBA, with the careful intent to preserve trend lines that show student performance over time. The process involved administering the assessment in both the DBA and PBA formats to randomly equivalent groups of students and ensured that the results from the 2017 and 2019 mathematics assessments could be compared to results from previous years. The 2022 mathematics DBA continues the mathematics trend line that extends back to 1990 at grade 8 and 1992 at both grades 4 and 8.

The NAEP Mathematics Assessment Framework

The [National Assessment Governing Board](#) oversees the development of NAEP frameworks that describe the subject-specific knowledge and thinking skills to be assessed in each subject and how the assessment questions should be designed and scored. The [NAEP mathematics assessment framework](#) specifies five broad content areas and three levels of mathematical complexity.

Mathematics Content Areas

To ensure a balance of content and to allow students to demonstrate a variety of ways of knowing and doing mathematics, the framework specifies assessing fourth- and eighth-grade students in five broad areas of mathematical content. This division into content areas is not intended to separate mathematics into discrete elements, but to provide a helpful classification scheme that describes the full spectrum of mathematical content assessed by NAEP.

- **Number properties and operations** measures students' understanding of ways to represent, calculate, and estimate with numbers.
- **Measurement** assesses students' knowledge, including the use of instruments and the application of processes for attributes such as capacity, length, area, volume, time, angles, and rates.
- **Geometry** measures students' knowledge and understanding of shapes in two and three dimensions and relationships between shapes such as symmetry and transformations.
- **Data analysis, statistics, and probability** measures students' understanding of data representation, characteristics of data sets, experiments and samples, and probability.
- **Algebra** measures students' understanding of patterns, using variables, algebraic representation, and functions.

Levels of Mathematical Complexity

Each NAEP question assesses an objective that can be associated with one of the mathematics content areas. Each question also makes certain demands on students' thinking. These demands determine the mathematical complexity of an item. Mathematical complexity deals with what the students are asked to do in a question. Incorporating levels of complexity in assessment design allows for a balanced testing of mathematical thinking. The framework describes three levels of mathematical complexity.

- **Low complexity** questions typically specify what a student is to do, which usually involves carrying out a routine mathematical procedure.
- **Moderate complexity** questions involve more flexibility of thinking and often require a response with multiple steps.
- **High complexity** questions make heavier demands on students' thinking and often require abstract reasoning or analysis in a novel situation.

Assessment Design

Because of the breadth of the content covered in the NAEP mathematics assessment, each student took just a portion of the test, consisting of two 25-minute sections. Most students' testing time was divided evenly between multiple-choice and constructed-response questions. Short constructed-response questions asked students to provide the answer for a numerical problem or to briefly describe the solution to a problem. Longer constructed-response questions required students to write both a solution and its justification, explanation, or interpretation. Released test questions, along with student performance data by state, are available on the NAEP website at <https://nces.ed.gov/nationsreportcard/data/>.

Some questions in the 2022 assessment incorporated the use of calculators (four-function calculators at grade 4 and scientific or graphing calculators at grade 8), rulers, protractors (at grade 8), or manipulatives such as spinners and geometric shapes. Calculator use at all grades was permitted on approximately one-third of the assessment.

Who Was Assessed?

All 50 states, the District of Columbia, Department of Defense Education Activity (DoDEA) schools, and Puerto Rico participated in the 2022 mathematics assessment at grades 4 and 8. The overall participation rates for schools and students must meet guidelines established by the National Center for Education Statistics (NCES) and the National Assessment Governing Board for assessment results to be reported to the public. A minimum of 85 percent participation is required for schools in each subject and grade combination in NAEP state-level assessment since 2003. Participation rates for the 2022 mathematics assessment are available on the NAEP website at <https://www.nationsreportcard.gov/mathematics/about/samples?anchor=footer&grade=4>.

The schools and students participating in NAEP assessments are selected to be representative both nationally and for public schools at the state level. The comparisons between national and state results in this report present the performance of public school students only. In NAEP reports, the category "nation (public)" does not include DoDEA or Bureau of Indian Education (BIE) schools.

How Is Student Mathematics Performance Reported?

The 2022 state results are compared to results from 12 earlier assessments at grade 4 and from 13 earlier assessments at grade 8.

Scale Scores: Student performance is reported as an average scale score based on the NAEP mathematics scale, which ranges from 0 to 500 for grades 4 and 8. Because NAEP scales are developed independently for each subject and for each content area within a subject, the scores cannot be compared across subjects or across content areas within the same subject. Results are also reported at five percentiles (10th, 25th, 50th, 75th, and 90th) to show trends in performance for lower-, middle-, and higher-performing students.

NAEP Achievement Levels: NAEP achievement levels are performance standards that describe what students should know and be able to do. Results are reported as percentages of students performing at or above three achievement levels (*NAEP Basic*, *NAEP Proficient*, and *NAEP Advanced*). Students performing at or above the *NAEP Proficient* level on NAEP assessments demonstrate solid academic performance and competency over challenging subject matter. It should be noted that the *NAEP Proficient* achievement level does not represent grade-level proficiency as determined by other assessment standards (e.g., state or district assessments).

Interpreting the Results

NAEP achievement-level setting is based on the judgments of a broadly representative panel of teachers, education specialists, and members of the general public. The authorizing legislation for NAEP requires that the achievement levels be used on a trial basis until the Commissioner of the National Center for Education Statistics (NCES) determines that the achievement levels are reasonable, valid, and informative to the public (20 USC § 9622(e)(2)(C)). The NCES Commissioner's determination is to be based on a congressionally mandated, rigorous, and independent evaluation. The latest evaluation of the achievement levels was conducted by a committee convened by the National Academies of Sciences, Engineering, and Medicine in 2016. The evaluation concluded that further evidence should be gathered to determine whether the achievement levels are reasonable, valid, and informative. Accordingly, the NCES Commissioner determined that the trial status of the achievement levels should be maintained at this time. Read more about how [NAEP achievement levels](#) are set. In 2018, the National Assessment Governing Board issued a revised Policy Statement clarifying that the *NAEP Proficient* level is not intended to reflect grade-level performance expectations but is specific to performance on NAEP assessments. Read the [Governing Board Policy Statement here](#).

- *NAEP Basic*, one of the three NAEP achievement levels, denoting partial mastery of prerequisite knowledge and skills that are fundamental for performance at the *NAEP Proficient* level. NAEP also reports the proportion of students whose scores place them below the *NAEP Basic* achievement level.
- *NAEP Proficient*, one of the three NAEP achievement levels, representing solid academic performance for each NAEP assessment. Students reaching this level have demonstrated competency over challenging subject matter, including subject-matter knowledge, application of such knowledge to real-world situations, and analytical skills appropriate to the subject matter.
- *NAEP Advanced*, one of the three NAEP achievement levels, denoting superior performance beyond *NAEP Proficient*.

The NAEP achievement levels are cumulative; therefore, students performing at the *NAEP Proficient* level also display the competencies associated with the *NAEP Basic* level, and students at the *NAEP Advanced* level demonstrate the competencies associated with both the *NAEP Basic* and the *NAEP Proficient* levels.

As provided by law, NCES, upon review of congressionally mandated evaluations of NAEP, has determined that NAEP achievement levels are to be used on a trial basis and should be interpreted with caution. The NAEP achievement levels have been widely used by national and state officials. The mathematics NAEP achievement-level descriptions are summarized in figures 1-A and 1-B.

THE NATION'S REPORT CARD 2022 STATE ASSESSMENT**Figure 1-A. Descriptions of fourth-grade NAEP achievement levels for 2022 NAEP mathematics assessment**

NAEP Basic Level (214) *Fourth-grade students performing at the NAEP Basic level should show some evidence of understanding the mathematical concepts and procedures in the five NAEP content areas.*

Fourth-graders performing at the *NAEP Basic* level should be able to estimate and use basic facts to perform simple computations with whole numbers, show some understanding of fractions and decimals, and solve some simple real-world problems in NAEP content areas. Students at this level should be able to use—although not always accurately—four-function calculators, rulers, and geometric shapes. Their written responses are often minimal and presented without supporting information.

NAEP Proficient Level (249) *Fourth-grade students performing at the NAEP Proficient level should consistently apply integrated procedural knowledge and conceptual understanding to problem solving in the five NAEP content areas.*

Fourth-graders performing at the *NAEP Proficient* level should be able to use whole numbers to estimate, compute, and determine whether results are reasonable. They should have a conceptual understanding of fractions and decimals, be able to solve real-world problems in NAEP content areas, and use four-function calculators, rulers, and geometric shapes appropriately. Students performing at the *NAEP Proficient* level should employ problem-solving strategies such as identifying and using appropriate information. Their written solutions should be organized and presented both with supporting information and explanations of how they were achieved.

NAEP Advanced Level (282) *Fourth-grade students performing at the NAEP Advanced level should apply integrated procedural knowledge and conceptual understanding to complex and nonroutine real-world problem solving in the five NAEP content areas.*

Fourth-graders performing at the *NAEP Advanced* level should be able to solve complex and nonroutine real-world problems in all NAEP content areas. They should display mastery in the use of four-function calculators, rulers, and geometric shapes. These students are expected to draw logical conclusions and justify answers and solution processes by explaining why, as well as how, they were achieved. They should go beyond the obvious in their interpretations and be able to communicate their thoughts clearly and concisely.

NOTE: The scores in parentheses in the shaded boxes indicate the lowest point on the 0 to 500 scale at which the NAEP achievement-level range begins.

SOURCE: National Assessment Governing Board. (2018). *Mathematics Framework for the 2019 National Assessment of Educational Progress*. Washington, DC.

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Figure 1-B. Descriptions of eighth-grade NAEP achievement levels for 2022 NAEP mathematics assessment

NAEP Basic Level (262) *Eighth-grade students performing at the NAEP Basic level should exhibit evidence of conceptual and procedural understanding in the five NAEP content areas. This level of performance signifies an understanding of arithmetic operations—including estimation—on whole numbers, decimals, fractions, and percents.*

Eighth-graders performing at the *NAEP Basic* level should complete problems correctly with the help of structural prompts such as diagrams, charts, and graphs. They should be able to solve problems in NAEP content areas through the appropriate selection and use of strategies and technological tools—including calculators, computers, and geometric shapes. Students at this level also should be able to use fundamental algebraic and informal geometric concepts in problem solving.

As they approach the *NAEP Proficient* level, students at the *NAEP Basic* level should be able to determine which of the available data are necessary and sufficient for correct solutions and use them in problem solving. However, these eighth-graders show limited skill in communicating mathematically.

NAEP Proficient Level (299) *Eighth-grade students performing at the NAEP Proficient level should apply mathematical concepts and procedures consistently to complex problems in the five NAEP content areas.*

Eighth-graders performing at the *NAEP Proficient* level should be able to conjecture, defend their ideas, and give supporting examples. They should understand the connections among fractions, percents, decimals, and other mathematical topics such as algebra and functions. Students at this level are expected to have a thorough understanding of *NAEP Basic* level arithmetic operations—an understanding sufficient for problem solving in practical situations.

Quantity and spatial relationships in problem solving and reasoning should be familiar to them, and they should be able to convey underlying reasoning skills beyond the level of arithmetic. They should be able to compare and contrast mathematical ideas and generate their own examples. These students should make inferences from data and graphs, apply properties of informal geometry, and accurately use the tools of technology. Students at this level should understand the process of gathering and organizing data and be able to calculate, evaluate, and communicate results within the domain of statistics and probability.

NAEP Advanced Level (333) *Eighth-grade students performing at the NAEP Advanced level should be able to reach beyond the recognition, identification, and application of mathematical rules in order to generalize and synthesize concepts and principles in the five NAEP content areas.*

Eighth-graders performing at the *NAEP Advanced* level should be able to probe examples and counterexamples in order to shape generalizations from which they can develop models. Eighth-graders performing at the *NAEP Advanced* level should use number sense and geometric awareness to consider the reasonableness of an answer. They are expected to use abstract thinking to create unique problem-solving techniques and explain the reasoning processes underlying their conclusions.

NOTE: The scores in parentheses in the shaded boxes indicate the lowest point on the 0 to 500 scale at which the NAEP achievement-level range begins.

SOURCE: National Assessment Governing Board. (2018). *Mathematics Framework for the 2019 National Assessment of Educational Progress*. Washington, DC.

Assessing Students With Disabilities and/or English Learners

Testing accommodations, such as extra testing time or individual (rather than group) administration, are provided for students with disabilities (SD) and/or English learners (EL) who could not fairly and accurately demonstrate their abilities without modified test administration procedures. In 1996, administration procedures were introduced at the national level allowing certain accommodations for students requiring such accommodations to participate.

In state NAEP mathematics assessments prior to 2000, no testing accommodations or adaptations were permitted for SD and/or EL students. In 2000, NAEP was administered using a split sample of schools—one sample in which accommodations were permitted for SD and/or EL students who normally received them and another sample in which accommodations were not permitted. Therefore, there were two different sets of results available for 2000, and both are shown in the tables in this report. Please note that bullet statements only reference the results from the 2000 assessment where accommodations were permitted. Results for the assessment years when accommodations were not permitted in state NAEP assessments (1990, 1992, 1996) are reported in the same tables as the results when accommodations were permitted (2000, 2003, 2005, 2007, 2009, 2011, 2013, 2015, 2017, 2019, and 2022).

2022 NAEP Mathematics Digitally Based Assessment

The 2022 NAEP mathematics digitally based assessment was designed to continue reporting trends in student performance dating back to 1990, while keeping pace with the new generation of classroom environments in which digital technology has become an increasing part of students' learning. The 2022 assessment content was developed with the same [mathematics framework](#) used to develop the 2009 through 2015 paper-based assessments and the 2017 and later digitally based assessments. More information about the paper-to-digital transition can be found [here](#).

The assessment was administered on tablet computers supplied by NCES using a secure, local NAEP network. This allowed the NAEP administrators to create a stable administration environment that would not be influenced by school-based equipment or school internet connectivity, thereby maintaining consistency across the assessed schools. Students were able to interact with the tablets via the touchscreen, with an attached keyboard, or using a stylus provided by NCES. The digitally based mathematics assessment provided students with a variety of onscreen tools, including an equation editor for entering numbers and expressions using the correct mathematical symbols; a scratchwork tool for annotating figures, performing computations, drawing diagrams, and highlighting portions of a question; and a calculator. At the beginning of the assessment session, students viewed an [interactive tutorial](#) that provided the information needed to take the assessment on a tablet; for example, it explains how to progress through questions, how to indicate answers for multiple choice questions, and how to use onscreen tools effectively when answering questions. The interactive nature of the tutorial allowed students to familiarize themselves with the digital delivery system before beginning the actual assessment. See how the [mathematics digitally based assessment](#) was presented to students.

After the administration of the assessment, the National Center for Education Statistics (NCES) conducted rigorous analyses of the data and aligned the 2022 results to previous assessment years. The usual NAEP procedure of common item linking was used to calculate the trend line from 2022 to 2019. This kind of linking was appropriate because all of 2022 assessment questions were also administered in 2019 and most showed the same statistical properties.

Interpreting the Results

The scores and percentages in this report are estimates based on samples of students rather than on entire populations. In addition, the collection of questions used at each grade level is only a sample of the many questions that could have been asked to assess the skills and abilities described in the NAEP framework. Comparisons over time or between groups are based on statistical tests that consider both the size of the differences and the standard errors of the two statistics being compared. Standard errors are margins of error, and estimates based on smaller groups are likely to have larger margins of error. The size of the standard errors may also be influenced by other factors such as how representative the assessed students are of the entire population. Statistical tests that factor in these standard errors are used to determine whether the differences between average scale scores or percentages are significant. All differences were tested for statistical significance at the .05 level using unrounded numbers.

NAEP sample sizes have increased since 2002 compared to previous years, resulting in smaller standard errors. As a consequence, smaller differences are detected as statistically significant than were detected in previous assessments. In addition, estimates based on smaller groups are likely to have relatively large standard errors. Thus, some seemingly large differences may not be statistically significant. That is, it cannot be determined whether these differences are due to sampling error, or to true differences in the population of interest.

Differences between scores or percentages are discussed in this report only when they are significant from a statistical perspective. Significant differences between 2022 and prior assessments are marked with a notation (*) in the tables. Any differences in scores within a year or across years that are mentioned in the text as "higher," "lower," "greater," or "smaller" are statistically significant.

Score or percentage differences or gaps cited in this report are calculated based on differences between unrounded numbers. Therefore, the reader may find that the score or percentage difference cited in the text or tables may not be identical to the difference obtained from subtracting the rounded values shown in the accompanying tables or figures.

The reader is cautioned against making simple causal inferences between student performance and the other variables (e.g., race/ethnicity, gender, and type of school location) discussed in this report. A statistically significant relationship between a variable and measures of student performance does not imply that the variable causes differences in how well students perform. The relationship may be influenced by a number of other variables not accounted for in this report, such as family income, parental involvement, or student attitudes.

NAEP 2022 Mathematics Overall Average Score and NAEP Achievement-Level Results for Public School Students

Overall mathematics results for public school students from Rhode Island are reported in this section, as well as regional and national results. The regions defined by the U.S. Census Bureau are Northeast, South, Midwest, and West (<https://nces.ed.gov/nationsreportcard/hsts/tabulations/regions.asp>). Trend data by region are not provided for assessment years prior to 2003.

Prior to 2000, testing accommodations were not provided for SD and/or EL students in NAEP state mathematics assessments. For 2000, results are displayed for both the sample in which accommodations were permitted and the sample in which they were not permitted. Subsequent assessment results were based on the more inclusive samples. In the text of this report, comparisons to 2000 results refer only to the sample in which accommodations were permitted.

Overall Average Scale Score Results

Student performance is reported as an average scale score based on the NAEP mathematics scale, which ranges from 0 to 500 for grades 4 and 8.

Tables 1-A and 1-B show the overall performance results of grades 4 and 8 public school students in Rhode Island, the nation, and the region. Prior to 2003, the list of states that comprise a given region for NAEP differed from the list used by the U.S. Census Bureau, which has been used in NAEP from 2003 onward. Therefore, the data for the state's region are given only since 2003. The first column of results presents the average scale score on the NAEP mathematics scale. The remaining columns show the scores at selected percentiles. Percentiles indicate the percentages of students whose scores fell at or below a particular score. For example, the 25th percentile defines the cut point for the lowest 25 percent of students within the distribution of scale scores.

Grade 4 Average Scale Score Results

- In 2022, the average scale score for students in Rhode Island was 234. This was not significantly different from that for students across the nation (235).
- In Rhode Island, the average scale score for students in 2022 was lower than that in 2019 (239). Similarly, the average scale score for students in public schools across the nation in 2022 was lower than that in 2019 (240).
- In Rhode Island, the average scale score for students in 2022 was higher than the scores in 1992, 1996, 2000, and 2003. However, it was lower than the scores in 2009, 2011, 2013, 2015, 2017, and 2019.

Grade 8 Average Scale Score Results

- In 2022, the average scale score for students in Rhode Island was 270. This was lower than that for students across the nation (273).
- In Rhode Island, the average scale score for students in 2022 was lower than that in 2019 (276). Similarly, the average scale score for students in public schools across the nation in 2022 was lower than that in 2019 (281).
- In Rhode Island, the average scale score for students in 2022 was higher than the scores in 1990 and 1992. However, it was lower than the scores in 2007, 2009, 2011, 2013, 2015, 2017, and 2019.

THE NATION'S REPORT CARD 2022 STATE ASSESSMENT**Table 1-A. Average scale scores and selected percentile scores in NAEP mathematics for fourth-grade public school students, by year and jurisdiction: Various years, 1992–2022**

Year and jurisdiction		Average scale score	10th percentile	25th percentile	50th percentile	75th percentile	90th percentile
1992 ¹	Nation (public)	219*	176*	197*	220*	241*	259*
	Rhode Island	215*	174*	195*	217*	237*	254*
1996 ¹	Nation (public)	222*	180*	201*	224*	244*	261*
	Rhode Island	220*	180*	202*	222*	241*	258*
2000 ¹	Nation (public)	226*	185*	206*	228*	249*	265*
	Rhode Island	225*	181	206*	228*	247*	263*
2000	Nation (public)	224*	183*	203*	225*	247*	264*
	Rhode Island	224*	182	204*	227*	246*	262*
2003	Nation (public)	234	196*	215*	235*	254*	270*
	Northeast ²	238*	200*	219*	239*	258	272*
	Rhode Island	230*	190	210	232	252*	268*
2005	Nation (public)	237*	199*	219*	239*	257*	272*
	Northeast ²	241*	204*	224*	243*	261	275*
	Rhode Island	233	195	215	236	253	269*
2007	Nation (public)	239*	201*	221*	241*	259	274*
	Northeast ²	245*	209*	228*	247*	264*	279
	Rhode Island	236	199	219*	238	255	270
2009	Nation (public)	239*	201*	221*	241*	259	275*
	Northeast ²	244*	208*	226*	246*	264*	279
	Rhode Island	239*	199*	221*	241*	260	274
2011	Nation (public)	240*	202*	222*	242*	260*	276
	Northeast ²	244*	206*	226*	246*	264*	280
	Rhode Island	242*	203*	224*	244*	262*	277
2013	Nation (public)	241*	202*	222*	243*	262*	278
	Northeast ²	245*	206*	226*	246*	265*	281*
	Rhode Island	241*	202*	223*	244*	262*	278
2015	Nation (public)	240*	201*	221*	241*	260*	277
	Northeast ²	242*	203*	223*	243*	263*	279
	Rhode Island	238*	199	219*	240	259	274
2017	Nation (public)	239*	197*	219*	241*	261*	279*
	Northeast ²	241*	199*	221*	243*	263*	280*
	Rhode Island	238*	195	218*	240*	260	276
2019	Nation (public)	240*	198*	220*	242*	262*	279*
	Northeast ²	242*	199*	221*	244*	265*	283*
	Rhode Island	239*	198	221*	242*	261*	276
2022	Nation (public)	235	190	213	236	258	277
	Northeast ²	235	187	212	237	259	278
	Rhode Island	234	191	212	236	257	275

* Value is significantly different ($p < .05$) from the value for the same jurisdiction in 2022.

¹ Accommodations were not permitted for this assessment.

² Region in which jurisdiction is located. Regional data are not provided for years prior to 2003 to be consistent with the U.S. Census Bureau defined regions.

NOTE: The NAEP grade 4 mathematics scale ranges from 0 to 500. All differences were calculated and tested using unrounded numbers.

SOURCE: U.S. Department of Education, Institute of Education Sciences, National Center for Education Statistics, National Assessment of Educational Progress (NAEP), various years, 1992–2022 Mathematics Assessments.

THE NATION'S REPORT CARD 2022 STATE ASSESSMENT**Table 1-B. Average scale scores and selected percentile scores in NAEP mathematics for eighth-grade public school students, by year and jurisdiction: Various years, 1990–2022**

Year and jurisdiction		Average scale score	10th percentile	25th percentile	50th percentile	75th percentile	90th percentile
1990 ¹	Nation (public)	262*	214*	237*	263*	288*	307*
	Rhode Island	260*	213*	235*	261*	286*	306*
1992 ¹	Nation (public)	267*	219*	242*	268*	293*	314*
	Rhode Island	266*	222	244	268	289*	307*
1996 ¹	Nation (public)	271	222	247	272	296*	316*
	Rhode Island	269	222	246	271	294	314*
2000 ¹	Nation (public)	274	225	250*	276*	300	321*
	Rhode Island	273*	228*	251*	275*	298	319
2000	Nation (public)	272	221	247	274	299	320*
	Rhode Island	269	219	245	271	296	317
2003	Nation (public)	276*	228*	253*	278*	301*	321*
	Northeast ²	281*	233*	258*	283*	306	325*
	Rhode Island	272	224	248*	274	298	316*
2005	Nation (public)	278*	230*	254*	279*	303*	323
	Northeast ²	282*	235*	259*	284*	307*	327
	Rhode Island	272	226*	250*	274	297	317*
2007	Nation (public)	280*	234*	257*	281*	305*	325*
	Northeast ²	285*	239*	262*	287*	310*	330
	Rhode Island	275*	227*	251*	277*	302*	322
2009	Nation (public)	282*	235*	258*	283*	307*	328*
	Northeast ²	288*	240*	265*	290*	314*	334*
	Rhode Island	278*	232*	255*	279*	302*	323
2011	Nation (public)	283*	236*	259*	284*	308*	329*
	Northeast ²	287*	240*	263*	288*	312*	333*
	Rhode Island	283*	236*	260*	285*	308*	328*
2013	Nation (public)	284*	236*	260*	285*	309*	330*
	Northeast ²	289*	241*	265*	291*	315*	335*
	Rhode Island	284*	236*	261*	286*	310*	330*
2015	Nation (public)	281*	234*	257*	282*	307*	328*
	Northeast ²	286*	235*	260*	287*	313*	335*
	Rhode Island	281*	235*	259*	283*	306*	326
2017	Nation (public)	282*	232*	255*	282*	309*	332*
	Northeast ²	287*	235*	259*	287*	315*	338*
	Rhode Island	277*	227*	251*	279*	305*	326
2019	Nation (public)	281*	230*	254*	281*	308*	332*
	Northeast ²	286*	230*	257*	286*	315*	340*
	Rhode Island	276*	221	248*	277*	305*	328*
2022	Nation (public)	273	223	246	273	300	324
	Northeast ²	277	224	248	276	305	330
	Rhode Island	270	219	243	270	297	322

* Value is significantly different ($p < .05$) from the value for the same jurisdiction in 2022.

¹ Accommodations were not permitted for this assessment.

² Region in which jurisdiction is located. Regional data are not provided for years prior to 2003 to be consistent with the U.S. Census Bureau defined regions.

NOTE: The NAEP grade 8 mathematics scale ranges from 0 to 500. All differences were calculated and tested using unrounded numbers.

SOURCE: U.S. Department of Education, Institute of Education Sciences, National Center for Education Statistics, National Assessment of Educational Progress (NAEP), various years, 1990–2022 Mathematics Assessments.

Overall NAEP Achievement-Level Results

Student results are reported as the percentages of students performing relative to performance standards set by the National Assessment Governing Board. These performance standards for what students should know and be able to do were based on the recommendations of broadly representative panels of educators and members of the public.

Tables 2-A and 2-B show the percentage of students at grades 4 and 8 who performed below *NAEP Basic*, at or above *NAEP Basic*, at or above *NAEP Proficient*, and at *NAEP Advanced*. Because some percentages presented here are cumulative from *NAEP Basic* or from *NAEP Proficient*, they may sum to more than 100 percent. Only the percentage of students performing at or above *NAEP Basic* (which includes the students at *NAEP Basic*, at *NAEP Proficient*, and at *NAEP Advanced*) plus the students below *NAEP Basic* will sum to 100 percent.

Grade 4 NAEP Achievement-Level Results

- In 2022, the percentage of Rhode Island's students who performed at or above *NAEP Proficient* was 34 percent. This was not significantly different from the percentage of the nation's public school students who performed at or above *NAEP Proficient* (35 percent).
- In Rhode Island, the percentage of students who performed at or above *NAEP Proficient* in 2022 was greater than the percentages in 1992, 1996, 2000, and 2003, but was smaller than the percentages in 2009, 2011, 2013, 2017, and 2019.
- In 2022, the percentage of Rhode Island's students who performed at or above *NAEP Basic* was 74 percent. This was not significantly different from the percentage of the nation's public school students who performed at or above *NAEP Basic* (74 percent).
- In Rhode Island, the percentage of students who performed at or above *NAEP Basic* in 2022 was greater than the percentages in 1992, 1996, and 2000, but was smaller than the percentages in 2007, 2009, 2011, 2013, 2015, 2017, and 2019.

Grade 8 NAEP Achievement-Level Results

- In 2022, the percentage of Rhode Island's students who performed at or above *NAEP Proficient* was 24 percent. This was not significantly different from the percentage of the nation's public school students who performed at or above *NAEP Proficient* (26 percent).
- In Rhode Island, the percentage of students who performed at or above *NAEP Proficient* in 2022 was greater than the percentages in 1990 and 1992, but was smaller than the percentages in 2007, 2009, 2011, 2013, 2015, 2017, and 2019.
- In 2022, the percentage of Rhode Island's students who performed at or above *NAEP Basic* was 58 percent. This was not significantly different from the percentage of the nation's public school students who performed at or above *NAEP Basic* (60 percent).
- In Rhode Island, the percentage of students who performed at or above *NAEP Basic* in 2022 was greater than the percentage in 1990, but was smaller than the percentages in 2003, 2005, 2007, 2009, 2011, 2013, 2015, 2017, and 2019.

THE NATION'S REPORT CARD 2022 STATE ASSESSMENT**Table 2-A. Percentage of fourth-grade public school students at or above NAEP mathematics achievement levels, by year and jurisdiction: Various years, 1992–2022**

Year and jurisdiction		Below NAEP Basic	At or above NAEP Basic	At or above NAEP Proficient	At NAEP Advanced
1992 ¹	Nation (public)	43*	57*	17*	2*
	Rhode Island	46*	54*	13*	1*
1996 ¹	Nation (public)	38*	62*	20*	2*
	Rhode Island	39*	61*	17*	1*
2000 ¹	Nation (public)	33*	67*	25*	2*
	Rhode Island	33*	67*	23*	2*
2000	Nation (public)	36*	64*	22*	2*
	Rhode Island	35*	65*	22*	2*
2003	Nation (public)	24*	76*	31*	4*
	Northeast ²	20*	80*	36	5*
	Rhode Island	28	72	28*	3*
2005	Nation (public)	21*	79*	35	5*
	Northeast ²	16*	84*	41*	6*
	Rhode Island	24	76	31	4*
2007	Nation (public)	19*	81*	39*	5*
	Northeast ²	13*	87*	47*	8
	Rhode Island	20*	80*	34	3*
2009	Nation (public)	19*	81*	38*	6*
	Northeast ²	14*	86*	46*	8
	Rhode Island	19*	81*	39*	5
2011	Nation (public)	18*	82*	40*	6
	Northeast ²	15*	85*	46*	8
	Rhode Island	16*	84*	43*	7
2013	Nation (public)	18*	82*	41*	8
	Northeast ²	15*	85*	46*	9
	Rhode Island	17*	83*	42*	7
2015	Nation (public)	19*	81*	39*	7
	Northeast ²	17*	83*	43*	8
	Rhode Island	20*	80*	37	6
2017	Nation (public)	21*	79*	40*	8*
	Northeast ²	19*	81*	43*	9*
	Rhode Island	21*	79*	39*	7
2019	Nation (public)	20*	80*	40*	9*
	Northeast ²	19*	81*	44*	10*
	Rhode Island	19*	81*	40*	7
2022	Nation (public)	26	74	35	7
	Northeast ²	27	73	36	8
	Rhode Island	26	74	34	6

* Value is significantly different ($p < .05$) from the value for the same jurisdiction in 2022.

¹ Accommodations were not permitted for this assessment.

² Region in which jurisdiction is located. Regional data are not provided for years prior to 2003 to be consistent with the U.S. Census Bureau defined regions.

NOTE: The NAEP grade 4 mathematics scale ranges from 0 to 500. NAEP achievement levels correspond to the following points on the NAEP mathematics scales: below NAEP Basic, 213 or lower; NAEP Basic, 214–248; NAEP Proficient, 249–281; and NAEP Advanced, 282 or above. At or above NAEP Basic includes NAEP Basic, NAEP Proficient, and NAEP Advanced. At or above NAEP Proficient includes NAEP Proficient and NAEP Advanced. All differences were calculated and tested using unrounded numbers.

SOURCE: U.S. Department of Education, Institute of Education Sciences, National Center for Education Statistics, National Assessment of Educational Progress (NAEP), various years, 1992–2022 Mathematics Assessments.

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Table 2-B. Percentage of eighth-grade public school students at or above NAEP mathematics achievement levels, by year and jurisdiction: Various years, 1990–2022

Year and jurisdiction		Below NAEP Basic	At or above NAEP Basic	At or above NAEP Proficient	At NAEP Advanced
1990 ¹	Nation (public)	49*	51*	15*	2*
	Rhode Island	51*	49*	15*	2*
1992 ¹	Nation (public)	44*	56*	20*	3*
	Rhode Island	44	56	16*	1*
1996 ¹	Nation (public)	39	61	23*	4*
	Rhode Island	40	60	20	3*
2000 ¹	Nation (public)	35*	65*	26	5*
	Rhode Island	36*	64*	24	4*
2000	Nation (public)	38	62	25	5*
	Rhode Island	41	59	22	4*
2003	Nation (public)	33*	67*	27*	5*
	Northeast ²	29*	71*	33*	6*
	Rhode Island	37*	63*	24	3*
2005	Nation (public)	32*	68*	28*	6*
	Northeast ²	27*	73*	33*	7*
	Rhode Island	37*	63*	24	3*
2007	Nation (public)	30*	70*	31*	7
	Northeast ²	25*	75*	37*	9
	Rhode Island	35*	65*	28*	5
2009	Nation (public)	29*	71*	33*	7*
	Northeast ²	22*	78*	40*	11*
	Rhode Island	32*	68*	28*	6
2011	Nation (public)	28*	72*	34*	8*
	Northeast ²	24*	76*	39*	10
	Rhode Island	27*	73*	34*	7
2013	Nation (public)	27*	73*	34*	8*
	Northeast ²	22*	78*	41*	11*
	Rhode Island	26*	74*	36*	8*
2015	Nation (public)	30*	70*	32*	8*
	Northeast ²	26*	74*	38*	11*
	Rhode Island	28*	72*	32*	6
2017	Nation (public)	31*	69*	33*	10*
	Northeast ²	27*	73*	39*	13*
	Rhode Island	34*	66*	30*	6
2019	Nation (public)	32*	68*	33*	10*
	Northeast ²	29*	71*	39*	13*
	Rhode Island	36*	64*	29*	8*
2022	Nation (public)	40	60	26	7
	Northeast ²	37	63	30	9
	Rhode Island	42	58	24	6

* Value is significantly different ($p < .05$) from the value for the same jurisdiction in 2022.

¹ Accommodations were not permitted for this assessment.

² Region in which jurisdiction is located. Regional data are not provided for years prior to 2003 to be consistent with the U.S. Census Bureau defined regions.

NOTE: The NAEP grade 8 mathematics scale ranges from 0 to 500. NAEP achievement levels correspond to the following points on the NAEP mathematics scales: below *NAEP Basic*, 261 or lower; *NAEP Basic*, 262-298; *NAEP Proficient*, 299-332; and *NAEP Advanced*, 333 or above. At or above *NAEP Basic* includes *NAEP Basic*, *NAEP Proficient*, and *NAEP Advanced*. At or above *NAEP Proficient* includes *NAEP Proficient* and *NAEP Advanced*. All differences were calculated and tested using unrounded numbers.

SOURCE: U.S. Department of Education, Institute of Education Sciences, National Center for Education Statistics, National Assessment of Educational Progress (NAEP), various years, 1990–2022 Mathematics Assessments.

Comparisons Between Rhode Island, the Nation, and Participating States and Jurisdictions

All 50 states, the District of Columbia, Department of Defense Education Activity schools (DoDEA), and Puerto Rico participated in the 2022 mathematics assessment at grades 4 and 8. References to "jurisdictions" in the results statements may include states, the District of Columbia, and DoDEA schools.

Comparisons by Average Scale Scores

Figures 2-A and 2-B compare Rhode Island's 2022 overall mathematics scale scores at grades 4 and 8 with those of public schools in the nation and all other participating states and jurisdictions. The different shadings indicate whether the average scale score of the nation (public), a state, or a jurisdiction was found to be higher than, lower than, or not significantly different from that of Rhode Island in the NAEP 2022 mathematics assessment.

Grade 4 Average Scale Score Comparison Results

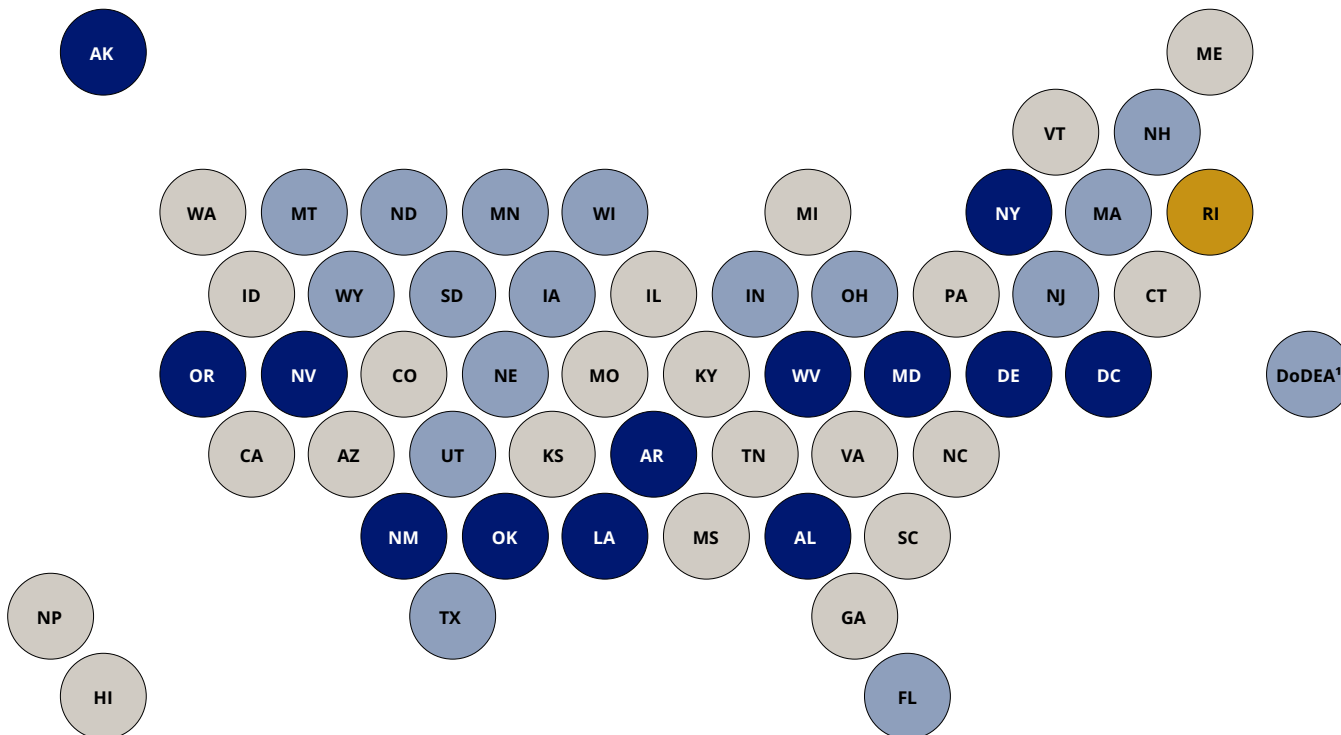
- The average scale score for students in Rhode Island was higher than 13 jurisdictions, not significantly different from 21 jurisdictions, and lower than 17 jurisdictions.

Grade 8 Average Scale Score Comparison Results

- The average scale score for students in Rhode Island was higher than 9 jurisdictions, not significantly different from 18 jurisdictions, and lower than 24 jurisdictions.

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Figure 2-A. Rhode Island's average scale score in NAEP mathematics for fourth-grade public school students compared with scores for the nation and other participating jurisdictions: 2022



- Focal state/jurisdiction (Rhode Island)
- Higher average scale score than Rhode Island (17 jurisdictions)
- Lower average scale score than Rhode Island (13 jurisdictions)
- Not significantly different from Rhode Island (nation and 21 jurisdictions)

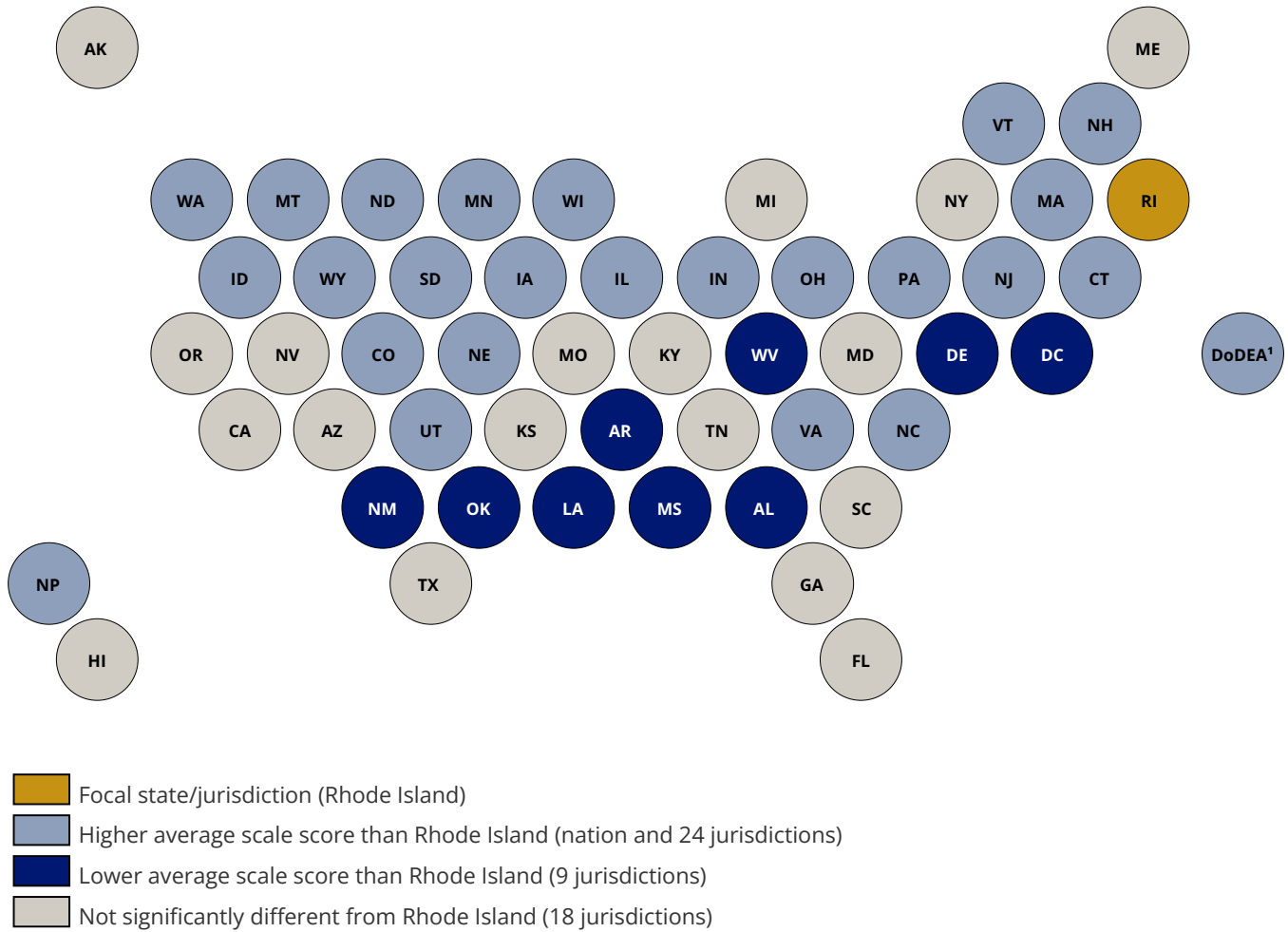
¹ Department of Defense Education Activity (overseas and domestic schools).

NOTE: Significance tests used a multiple-comparison procedure based on all jurisdictions that participated.

SOURCE: U.S. Department of Education, Institute of Education Sciences, National Center for Education Statistics, National Assessment of Educational Progress (NAEP), 2022 Mathematics Assessment.

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Figure 2-B. Rhode Island's average scale score in NAEP mathematics for eighth-grade public school students compared with scores for the nation and other participating jurisdictions: 2022



¹ Department of Defense Education Activity (overseas and domestic schools).

NOTE: Significance tests used a multiple-comparison procedure based on all jurisdictions that participated.

SOURCE: U.S. Department of Education, Institute of Education Sciences, National Center for Education Statistics, National Assessment of Educational Progress (NAEP), 2022 Mathematics Assessment.

Comparisons by NAEP Achievement Levels

Figures 3-A and 3-B permit comparisons of all jurisdictions (and the nation) participating in the 2022 NAEP mathematics assessment in terms of percentages of grades 4 and 8 students performing at or above *NAEP Proficient*. The participating states and jurisdictions are grouped into categories that reflect whether the percentage of their students performing at or above *NAEP Proficient* (including *NAEP Advanced*) was found to be higher than, not significantly different from, or lower than the percentage in Rhode Island.

Note that the selected state is listed first in its category, and the other states and jurisdictions within each category are listed alphabetically; statistical comparisons among jurisdictions in each of the three categories are not included in this report. However, statistical comparisons among states by NAEP achievement level can be conducted online by using the NAEP Data Explorer at <https://nces.ed.gov/nationsreportcard/naepdata/>.

Grade 4 NAEP Achievement-Level Comparison Results

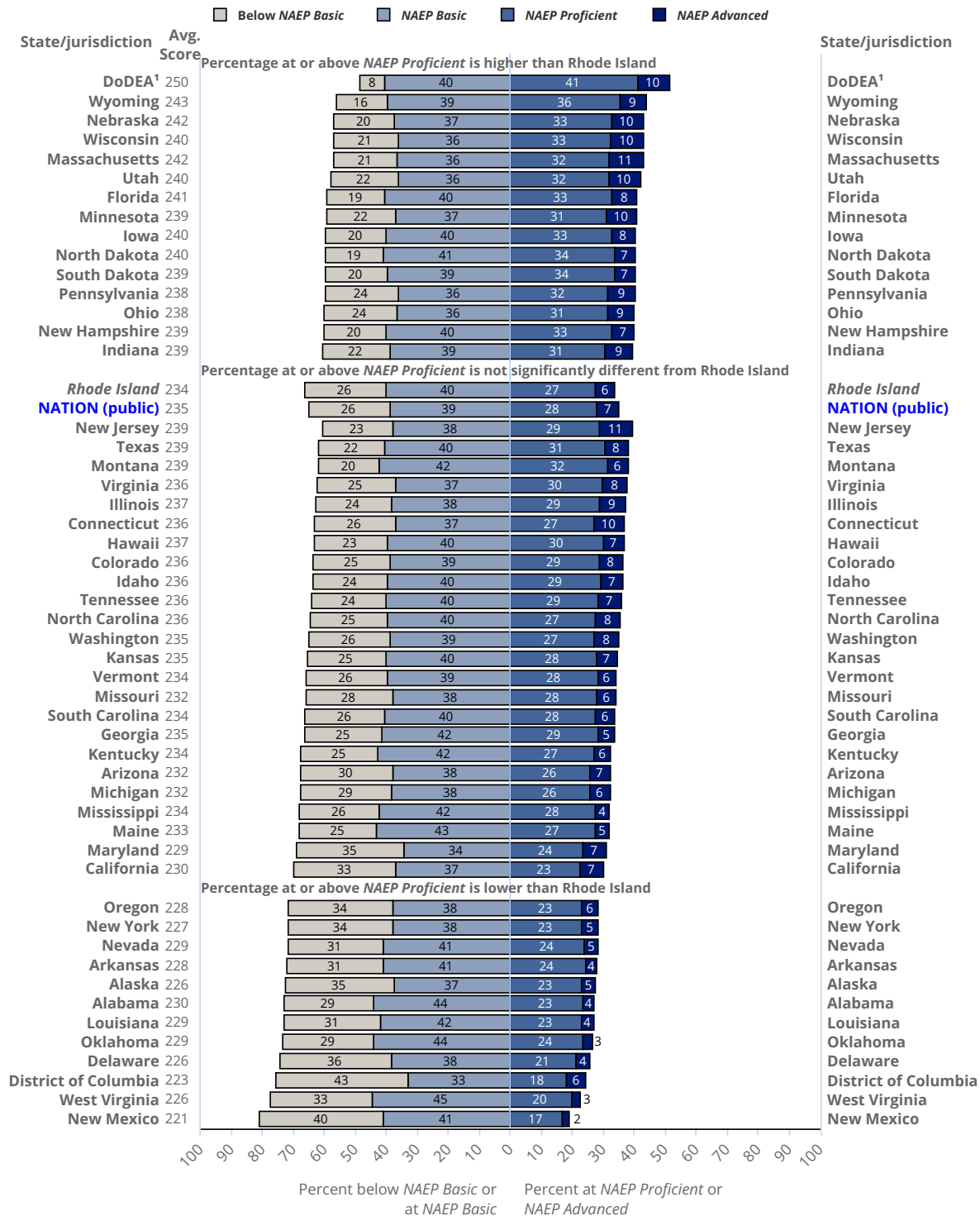
- The percentage of students performing at or above the *NAEP Proficient* level in Rhode Island was greater than 12 jurisdictions, not significantly different from 24 jurisdictions, and smaller than 15 jurisdictions.
- The percentage of students performing at or above the *NAEP Basic* level in Rhode Island was greater than 9 jurisdictions, not significantly different from 29 jurisdictions, and smaller than 13 jurisdictions (data not shown).

Grade 8 NAEP Achievement-Level Comparison Results

- The percentage of students performing at or above the *NAEP Proficient* level in Rhode Island was greater than 9 jurisdictions, not significantly different from 22 jurisdictions, and smaller than 20 jurisdictions.
- The percentage of students performing at or above the *NAEP Basic* level in Rhode Island was greater than 6 jurisdictions, not significantly different from 24 jurisdictions, and smaller than 21 jurisdictions (data not shown).

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Figure 3-A. Average scale score in NAEP mathematics for fourth-grade public school students, percentage within each achievement level, and Rhode Island's percentage at or above NAEP Proficient compared with the nation and other participating jurisdictions: 2022



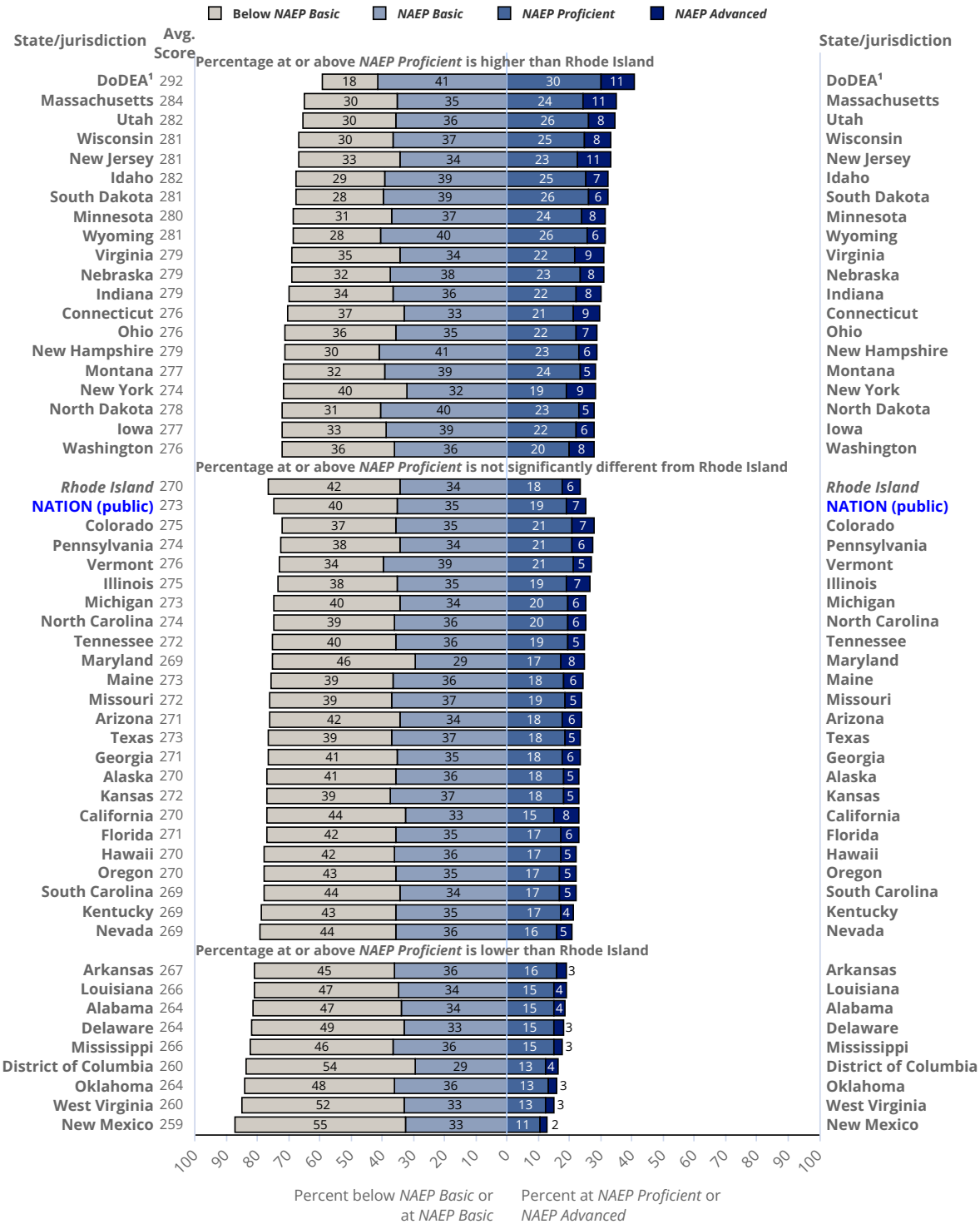
¹ Department of Defense Education Activity (overseas and domestic schools).

NOTE: The bars above contain percentages of students in each NAEP mathematics achievement level. Achievement levels corresponding to each population of students are aligned at the point where the NAEP Proficient category begins, so that they may be compared at NAEP Proficient and above. Detail may not sum to totals because of rounding. All differences were calculated and tested using unrounded numbers. The shaded bars are graphed using unrounded numbers. Significance tests used a multiple-comparison procedure based on all jurisdictions that participated.

SOURCE: U.S. Department of Education, Institute of Education Sciences, National Center for Education Statistics, National Assessment of Educational Progress (NAEP), 2022 Mathematics Assessment.

THE NATION'S REPORT CARD 2022 STATE ASSESSMENT

Figure 3-B. Average scale score in NAEP mathematics for eighth-grade public school students, percentage within each achievement level, and Rhode Island's percentage at or above NAEP Proficient compared with the nation and other participating jurisdictions: 2022



¹ Department of Defense Education Activity (overseas and domestic schools).

NOTE: The bars above contain percentages of students in each NAEP mathematics achievement level. Achievement levels corresponding to each population of students are aligned at the point where the NAEP Proficient category begins, so that they may be compared at NAEP Proficient and above. Detail may not sum to totals because of rounding. All differences were calculated and tested using unrounded numbers. The shaded bars are graphed using unrounded numbers. Significance tests used a multiple-comparison procedure based on all jurisdictions that participated.

SOURCE: U.S. Department of Education, Institute of Education Sciences, National Center for Education Statistics, National Assessment of Educational Progress (NAEP), 2022 Mathematics Assessment.

Mathematics Performance of Selected Student Groups

This section of the report presents trend results for public school students in Rhode Island and the nation by demographic characteristics. Student performance data are reported for

- race/ethnicity;
- gender;
- student eligibility for the National School Lunch Program;
- type of school location (for 2007, 2009, 2011, 2013, 2015, 2017, 2019, and 2022); and
- parents' highest level of education (grade 8 only).

NAEP collects information on race/ethnicity, gender, and student eligibility for the National School Lunch Program eligibility from school records. Type of school location is based on standard definitions established by the Office of Management and Budget using population and geographic information from the U.S. Census Bureau. Schools are assigned to these categories in the NCES Common Core of Data based on their physical address. The parent's highest level of education for grade 8 is derived from student questionnaires.

Results for each of the student groups are reported in tables that include the percentage of students in each group in the second column, and the average scale score in the third column. The columns to the right show the percentage of students below *NAEP Basic* and at or above each NAEP achievement level.

Results by students' race/ethnicity and gender include statements about score point differences between student groups (e.g., between White and Black students or White and Hispanic students, or between male and female students) in 2022 and in the first assessment year. Because these differences are calculated using unrounded values, they may differ slightly from what would be obtained by subtracting the rounded values that appear in the tables. Statements indicating a narrowing or widening of the gap in students' scores are only made if the change in the gap from the first assessment year to 2022 was found to be statistically significant.

The reader is cautioned against making simple causal inferences about group differences, as a complex mix of educational and socioeconomic factors may affect student performance. NAEP collects information on many additional variables, including school and home factors related to achievement. This information is in an interactive database available on the NAEP website <https://nces.ed.gov/nationsreportcard/naepdata/>.

Race/Ethnicity

Prior to 2011, student race/ethnicity was obtained from school records and reported for the six mutually exclusive categories shown below:

- White
- Black
- Hispanic
- Asian/Pacific Islander
- American Indian/Alaska Native
- Unclassified (not shown in tables)

Students who identified with more than one of the other five categories were classified as "Other" and included as part of the "Unclassified" category along with students who had a background other than the ones listed or whose race/ethnicity could not be determined.

In compliance with new standards from the U.S. Office of Management and Budget for collecting and reporting data on race/ethnicity, additional information was collected beginning in 2011 so results could be reported separately for Asian students, Native Hawaiian/Other Pacific Islander students, and students identifying with two or more races. Beginning in 2011, all of the students participating in NAEP were identified as one of the seven racial/ethnic categories listed below:

- White
- Black or African American
- Hispanic
- Asian
- Native Hawaiian or other Pacific Islander
- American Indian or Alaska Native
- Two or More Races

As in earlier years, students identified as Hispanic were classified as Hispanic in 2011 and subsequent assessment years even if they were also identified with another racial/ethnic group. Students who identified with two or more of the other racial/ethnic groups (e.g., White and Black) would have been classified as "Other" and reported as part of the "Unclassified" category prior to 2011, and classified as "Two or More Races" since 2011. Results for these students are presented under the "Two or More Races" category in the graphics and tables in the reports.

When comparing the results for racial/ethnic groups since 2011 to earlier assessment years, the data for Asian and Native Hawaiian/Other Pacific Islander students were combined into the Asian/Pacific Islander category.

Tables 3-A and 3-B show percentage of students, average scale scores, and percentages by NAEP achievement level for public school students at grades 4 and 8 in Rhode Island and the nation, by race/ethnicity.

Grade 4 Average Scale Score Results by Race/Ethnicity

- In 2022, White students in Rhode Island had an average scale score that was higher than the average scale scores of Black and Hispanic students, but was not significantly different from the average scale score of Asian/Pacific Islander students.
- In 2022, the average scale score of White students in Rhode Island was higher than their respective scores in 1992, 1996, 2000, and 2003, but lower than their respective scores in 2011 and 2013, and not significantly different from their respective scores in 2005, 2007, 2009, 2015, 2017, and 2019.
- In 2022, the average scale scores of Black and Asian/Pacific Islander students in Rhode Island were higher than their respective scores in 1992, 1996, 2000, and 2003, but not significantly different from their respective scores in 2005, 2007, 2009, 2011, 2013, 2015, 2017, and 2019.
- In 2022, the average scale score of Hispanic students in Rhode Island was higher than their respective scores in 1992, 1996, 2000, 2003, and 2005, but lower than their respective scores in 2013 and 2019, and not significantly different from their respective scores in 2007, 2009, 2011, 2015, and 2017.
- In 2022, Black students in Rhode Island had an average scale score that was lower than that of White students by 25 points. In 1992, the average scale score for Black students was lower than that of White students by 30 points.
- In 2022, Hispanic students in Rhode Island had an average scale score that was lower than that of White students by 25 points. This performance gap was narrower than that of 1992 (35 points).

Grade 4 NAEP Achievement-Level Results by Race/Ethnicity

- In 2022 in Rhode Island, the percentage of White students performing at or above *NAEP Proficient* was greater than the corresponding percentages of Black and Hispanic students, but was not significantly different from the percentage of Asian/Pacific Islander students.
- In 2022, the percentage of White students in Rhode Island performing at or above *NAEP Proficient* was greater than the percentages of their respective peers in 1992, 1996, 2000, 2003, and 2005, but smaller than the percentages of their respective peers in 2011 and 2013, and not significantly different from the percentages of their respective peers in 2007, 2009, 2015, 2017, and 2019.
- In 2022, the percentages of Black and Asian/Pacific Islander students in Rhode Island performing at or above *NAEP Proficient* were greater than the percentages of their respective peers in 1996, 2000, and 2003, but not significantly different from the percentages of their respective peers in 1992, 2005, 2007, 2009, 2011, 2013, 2015, 2017, and 2019.
- In 2022, the percentage of Hispanic students in Rhode Island performing at or above *NAEP Proficient* was greater than the percentages of their respective peers in 1996, 2000, 2003, and 2005, but not significantly different from the percentages of their respective peers in 1992, 2007, 2009, 2011, 2013, 2015, 2017, and 2019.

THE NATION'S REPORT CARD 2022 STATE ASSESSMENT**Table 3-A. Percentage of fourth-grade public school students, average scale score, and achievement-level results in NAEP mathematics, by race/ethnicity, year and jurisdiction: Various years, 1992–2022**

Race/ethnicity, year, and jurisdiction		Percentage of students	Average scale score	PERCENT			
				Below <i>NAEP Basic</i>	At or above <i>NAEP Basic</i>	At or above <i>NAEP Proficient</i>	At <i>NAEP Advanced</i>
White							
1992 ¹	Nation (public)	72*	227*	32*	68*	22*	2*
	Rhode Island	82*	221*	38*	62*	16*	1*
1996 ¹	Nation (public)	71*	230*	27*	73*	25*	3*
	Rhode Island	82*	225*	32*	68*	20*	1*
2000 ¹	Nation (public)	67*	234*	22*	78*	32*	3*
	Rhode Island	75*	233*	22*	78*	29*	3*
2000	Nation (public)	62*	233*	24*	76*	30*	3*
	Rhode Island	75*	232*	24*	76*	28*	2*
2003	Nation (public)	58*	243*	13*	87*	42*	5*
	Rhode Island	70*	239*	17	83	37*	4*
2005	Nation (public)	57*	246	11*	89*	47	7*
	Rhode Island	73*	241	14	86	37*	5*
2007	Nation (public)	55*	248*	9*	91*	51*	8*
	Rhode Island	70*	242	14	86	41	4*
2009	Nation (public)	54*	248*	10*	90*	50*	8*
	Rhode Island	68*	247	11*	89*	50	7
2011	Nation (public)	52*	249*	9*	91*	52*	9
	Rhode Island	64*	249*	9*	91*	53*	10
2013	Nation (public)	51*	250*	9*	91*	54*	10
	Rhode Island	63*	250*	9*	91*	53*	10
2015	Nation (public)	49*	248*	10*	90*	51*	10
	Rhode Island	62*	246	12	88	48	8
2017	Nation (public)	47*	248*	12*	88*	51*	11
	Rhode Island	57	245	15	85	48	9
2019	Nation (public)	46	249*	12*	88*	52*	12*
	Rhode Island	56	247	12	88	51	9
2022	Nation (public)	45	245	15	85	47	10
	Rhode Island	54	244	16	84	45	9

See notes at end of table.

THE NATION'S REPORT CARD 2022 STATE ASSESSMENT**Table 3-A. Percentage of fourth-grade public school students, average scale score, and achievement-level results in NAEP mathematics, by race/ethnicity, year and jurisdiction: Various years, 1992–2022—Continued**

Race/ethnicity, year, and jurisdiction		Percentage of students	Average scale score	PERCENT			
				Below <i>NAEP Basic</i>	At or above <i>NAEP Basic</i>	At or above <i>NAEP Proficient</i>	At <i>NAEP Advanced</i>
Black							
1992 ¹	Nation (public)	18*	192*	78*	22*	2*	#
	Rhode Island	7	191*	78*	22*	2	#
1996 ¹	Nation (public)	17*	199*	70*	30*	4*	#
	Rhode Island	5*	194*	74*	26*	3*	#
2000 ¹	Nation (public)	17*	204*	64*	36*	5*	#
	Rhode Island	8	200*	64*	36*	4*	#
2000	Nation (public)	17	203*	65*	35*	4*	#*
	Rhode Island	8	200*	67*	33*	3*	#
2003	Nation (public)	17*	216	46	54	10*	#*
	Rhode Island	9	210*	55	45	7*	#
2005	Nation (public)	17*	220*	40*	60*	13*	1*
	Rhode Island	8	211	54	46	9	1
2007	Nation (public)	17*	222*	37*	63*	15	1*
	Rhode Island	8	219	41	59	16	1
2009	Nation (public)	16*	222*	37*	63*	15	1*
	Rhode Island	10	221	37	63	15	#
2011	Nation (public)	16*	224*	34*	66*	17*	1
	Rhode Island	8	225	31	69	20	2
2013	Nation (public)	16	224*	34*	66*	18*	1
	Rhode Island	9	224	34	66	19	1
2015	Nation (public)	15	224*	35*	65*	19*	1
	Rhode Island	8	222	35	65	17	#
2017	Nation (public)	15	223*	37*	63*	19*	2
	Rhode Island	9	225	31	69	20	1
2019	Nation (public)	15	224*	35*	65*	20*	2*
	Rhode Island	8	227	30	70	24	2
2022	Nation (public)	15	216	46	54	15	1
	Rhode Island	9	219	42	58	15	2

See notes at end of table.

THE NATION'S REPORT CARD 2022 STATE ASSESSMENT
Table 3-A. Percentage of fourth-grade public school students, average scale score, and achievement-level results in NAEP mathematics, by race/ethnicity, year and jurisdiction: Various years, 1992–2022—Continued

Race/ethnicity, year, and jurisdiction		Percentage of students	Average scale score	PERCENT			
				Below <i>NAEP Basic</i>	At or above <i>NAEP Basic</i>	At or above <i>NAEP Proficient</i>	At <i>NAEP Advanced</i>
Hispanic							
1992 ¹	Nation (public)	7*	201*	68*	32*	5*	#
	Rhode Island	7*	186*	85*	15*	1	#
1996 ¹	Nation (public)	9*	204*	63*	37*	7*	#
	Rhode Island	8*	191*	77*	23*	2*	#
2000 ¹	Nation (public)	11*	209*	55*	45*	8*	#
	Rhode Island	14*	194*	72*	28*	3*	#
2000	Nation (public)	16*	207*	59*	41*	7*	#*
	Rhode Island	14*	197*	71*	29*	3*	#
2003	Nation (public)	19*	221*	38	62	15*	1*
	Rhode Island	16*	207*	58*	42*	6*	#
2005	Nation (public)	20*	225*	33*	67*	19*	1*
	Rhode Island	16*	211*	52	48	9*	#
2007	Nation (public)	21*	227*	31*	69*	22	1*
	Rhode Island	19*	220	38	62	15	#
2009	Nation (public)	22*	227*	30*	70*	21	1*
	Rhode Island	18*	219	41	59	14	1
2011	Nation (public)	24*	229*	28*	72*	24*	2
	Rhode Island	22*	224	33*	67*	21	1
2013	Nation (public)	25*	230*	27*	73*	26*	2
	Rhode Island	23*	226*	32*	68*	23	2
2015	Nation (public)	26*	230*	27*	73*	26*	3
	Rhode Island	22*	223	34*	66*	18	1
2017	Nation (public)	27	229*	30*	70*	26*	3
	Rhode Island	26	224	34*	66*	22	2
2019	Nation (public)	28	231*	27*	73*	28*	3*
	Rhode Island	26	226*	32*	68*	24	2
2022	Nation (public)	28	224	37	63	21	2
	Rhode Island	28	219	45	55	17	2

See notes at end of table.

THE NATION'S REPORT CARD 2022 STATE ASSESSMENT**Table 3-A. Percentage of fourth-grade public school students, average scale score, and achievement-level results in NAEP mathematics, by race/ethnicity, year and jurisdiction: Various years, 1992–2022—Continued**

Race/ethnicity, year, and jurisdiction		Percentage of students	Average scale score	PERCENT			
				Below <i>NAEP Basic</i>	At or above <i>NAEP Basic</i>	At or above <i>NAEP Proficient</i>	At <i>NAEP Advanced</i>
Asian/Pacific Islander							
1992 ¹	Nation (public)	3*	231*	26*	74*	27*	4*
	Rhode Island	4	185*	84*	16*	1	#
1996 ¹	Nation (public)	3*	225*	35*	65*	20*	5*
	Rhode Island	4	206*	61*	39*	11*	3
2000 ¹	Nation (public)	‡	‡	‡	‡	‡	‡
	Rhode Island	3	‡	‡	‡	‡	‡
2000	Nation (public)	‡	‡	‡	‡	‡	‡
	Rhode Island	3	217*	48*	52*	18*	2
2003	Nation (public)	4*	246*	13	87	48*	10*
	Rhode Island	4	225*	37*	63*	22*	4
2005	Nation (public)	4*	251*	11	89	54*	14*
	Rhode Island	2	240	17	83	39	7
2007	Nation (public)	5*	254*	9	91	59	16*
	Rhode Island	3	244	12	88	41	8
2009	Nation (public)	5*	255	9	91	61	18*
	Rhode Island	3	242	14	86	40	10
2011	Nation (public)	5	256	9	91	62	20
	Rhode Island	3	251	8	92	49	13
2013	Nation (public)	5	258	9	91	64	23
	Rhode Island	3	239	18	82	37	7
2015	Nation (public)	5	256	10	90	61	22
	Rhode Island	3	238	22	78	42	10
2017	Nation (public)	6	258	10	90	64	24
	Rhode Island	3	255	9	91	57	23
2019	Nation (public)	5	261*	9	91	67*	27
	Rhode Island	4	250	10	90	51	13
2022	Nation (public)	6	257	11	89	62	24
	Rhode Island	4	249	10	90	51	11

See notes at end of table.

THE NATION'S REPORT CARD 2022 STATE ASSESSMENT

Table 3-A. Percentage of fourth-grade public school students, average scale score, and achievement-level results in NAEP mathematics, by race/ethnicity, year and jurisdiction: Various years, 1992–2022—Continued

Race/ethnicity, year, and jurisdiction		Percentage of students	Average scale score	PERCENT			
				Below <i>NAEP Basic</i>	At or above <i>NAEP Basic</i>	At or above <i>NAEP Proficient</i>	At <i>NAEP Advanced</i>
American Indian/Alaska Native							
1992 ¹	Nation (public)	1	‡	‡	‡	‡	‡
	Rhode Island	#	‡	‡	‡	‡	‡
1996 ¹	Nation (public)	1	‡	‡	‡	‡	‡
	Rhode Island	#	‡	‡	‡	‡	‡
2000 ¹	Nation (public)	1	‡	‡	‡	‡	‡
	Rhode Island	#	‡	‡	‡	‡	‡
2000	Nation (public)	1	207*	61*	39*	8*	#
	Rhode Island	#	‡	‡	‡	‡	‡
2003	Nation (public)	1*	224	35	65	18	1
	Rhode Island	1	‡	‡	‡	‡	‡
2005	Nation (public)	1*	227*	31*	69*	22	2
	Rhode Island	1	‡	‡	‡	‡	‡
2007	Nation (public)	1*	229*	28*	72*	26*	3
	Rhode Island	1	‡	‡	‡	‡	‡
2009	Nation (public)	1*	227*	32*	68*	23	2
	Rhode Island	1	‡	‡	‡	‡	‡
2011	Nation (public)	1*	227*	32*	68*	24	2
	Rhode Island	1	‡	‡	‡	‡	‡
2013	Nation (public)	1	228*	30*	70*	24	2
	Rhode Island	1	‡	‡	‡	‡	‡
2015	Nation (public)	1	228*	30*	70*	24	2
	Rhode Island	1	‡	‡	‡	‡	‡
2017	Nation (public)	1	228*	31*	69*	25*	3
	Rhode Island	1	‡	‡	‡	‡	‡
2019	Nation (public)	1	228*	32*	68*	25*	4
	Rhode Island	1	‡	‡	‡	‡	‡
2022	Nation (public)	1	220	42	58	19	3
	Rhode Island	1	‡	‡	‡	‡	‡

Rounds to zero.

‡ Reporting standards not met.

* Value is significantly different ($p < .05$) from the value for the same jurisdiction in 2022.

¹ Accommodations were not permitted for this assessment.

NOTE: The NAEP grade 4 mathematics scale ranges from 0 to 500. NAEP achievement levels correspond to the following points on the NAEP mathematics scales: below *NAEP Basic*, 213 or lower; *NAEP Basic*, 214–248; *NAEP Proficient*, 249–281; and *NAEP Advanced*, 282 or above. At or above *NAEP Basic* includes *NAEP Basic*, *NAEP Proficient*, and *NAEP Advanced*. At or above *NAEP Proficient* includes *NAEP Proficient* and *NAEP Advanced*. All differences were calculated and tested using unrounded numbers.

SOURCE: U.S. Department of Education, Institute of Education Sciences, National Center for Education Statistics, National Assessment of Educational Progress (NAEP), various years, 1992–2022 Mathematics Assessments.

Grade 8 Average Scale Score Results by Race/Ethnicity

- In 2022, White students in Rhode Island had an average scale score that was higher than the average scale scores of Black and Hispanic students.
- In 2022, the average scale score of White students in Rhode Island was higher than their respective scores in 1990, 1992, 1996, and 2000, but lower than their respective scores in 2011, 2013, 2015, 2017, and 2019, and not significantly different from their respective scores in 2003, 2005, 2007, and 2009.
- In 2022, the average scale score of Black students in Rhode Island was higher than their respective scores in 1990 and 1996, but lower than their respective scores in 2011, 2013, 2015, and 2017, and not significantly different from their respective scores in 1992, 2000, 2003, 2005, 2007, 2009, and 2019.
- In 2022, the average scale score of Hispanic students in Rhode Island was higher than their respective scores in 1990, 1992, 1996, 2000, 2003, and 2005, but lower than their respective scores in 2011, 2013, and 2015, and not significantly different from their respective scores in 2007, 2009, 2017, and 2019.
- In 2022, Black students in Rhode Island had an average scale score that was lower than that of White students by 34 points. In 1990, the average scale score for Black students was lower than that of White students by 37 points.
- In 2022, Hispanic students in Rhode Island had an average scale score that was lower than that of White students by 27 points. This performance gap was narrower than that of 1990 (38 points).

Grade 8 NAEP Achievement-Level Results by Race/Ethnicity

- In 2022 in Rhode Island, the percentage of White students performing at or above *NAEP Proficient* was greater than the corresponding percentages of Black and Hispanic students.
- In 2022, the percentage of White students in Rhode Island performing at or above *NAEP Proficient* was greater than the percentages of their respective peers in 1990, 1992, 1996, and 2000, but smaller than the percentages of their respective peers in 2011, 2013, and 2015, and not significantly different from the percentages of their respective peers in 2003, 2005, 2007, 2009, 2017, and 2019.
- In 2022, the percentage of Black students in Rhode Island performing at or above *NAEP Proficient* was smaller than the percentage in 2013, but not significantly different from the percentages of their respective peers in 1990, 1992, 1996, 2000, 2003, 2005, 2007, 2009, 2011, 2015, 2017, and 2019.
- In 2022, the percentage of Hispanic students in Rhode Island performing at or above *NAEP Proficient* was greater than the percentages of their respective peers in 1990, 1992, 1996, 2000, and 2005, but smaller than the percentage in 2013, and not significantly different from the percentages of their respective peers in 2003, 2007, 2009, 2011, 2015, 2017, and 2019.

THE NATION'S REPORT CARD 2022 STATE ASSESSMENT**Table 3-B. Percentage of eighth-grade public school students, average scale score, and achievement-level results in NAEP mathematics, by race/ethnicity, year and jurisdiction: Various years, 1990–2022**

Race/ethnicity, year, and jurisdiction		Percentage of students	Average scale score	PERCENT			
				Below <i>NAEP Basic</i>	At or above <i>NAEP Basic</i>	At or above <i>NAEP Proficient</i>	At <i>NAEP Advanced</i>
White							
1990 ¹	Nation (public)	73*	269*	41*	59*	18*	3*
	Rhode Island	86*	265*	46*	54*	16*	2*
1992 ¹	Nation (public)	72*	276*	34*	66*	25*	3*
	Rhode Island	85*	271*	38*	62*	18*	2*
1996 ¹	Nation (public)	70*	280*	28	72	29*	5*
	Rhode Island	82*	275*	34	66	23*	3*
2000 ¹	Nation (public)	69*	284	24*	76*	33	6*
	Rhode Island	81*	279	29	71	28	5*
2000	Nation (public)	63*	283	25	75	33	6*
	Rhode Island	79*	275*	33	67	26*	4*
2003	Nation (public)	62*	287*	21*	79*	36*	7*
	Rhode Island	76*	280	28	72	29	4*
2005	Nation (public)	60*	288*	21*	79*	37*	7*
	Rhode Island	73*	281	27	73	30	4*
2007	Nation (public)	58*	290*	19*	81*	41*	9
	Rhode Island	70*	284	25	75	35	6
2009	Nation (public)	56*	292*	18*	82*	43*	10*
	Rhode Island	71*	286	23*	77*	35	7
2011	Nation (public)	54*	293*	17*	83*	43*	10*
	Rhode Island	68*	292*	18*	82*	42*	10
2013	Nation (public)	53*	293*	17*	83*	44*	11*
	Rhode Island	65*	294*	16*	84*	45*	11
2015	Nation (public)	51*	291*	19*	81*	42*	10*
	Rhode Island	62*	290*	19*	81*	41*	9
2017	Nation (public)	50*	292*	20*	80*	43*	13*
	Rhode Island	61*	287*	23*	77*	39	8
2019	Nation (public)	48*	291*	21*	79*	43*	13*
	Rhode Island	58*	287*	25	75	39	11
2022	Nation (public)	45	284	28	72	34	9
	Rhode Island	53	282	30	70	32	9

See notes at end of table.

THE NATION'S REPORT CARD 2022 STATE ASSESSMENT

Table 3-B. Percentage of eighth-grade public school students, average scale score, and achievement-level results in NAEP mathematics, by race/ethnicity, year and jurisdiction: Various years, 1990–2022—Continued

Race/ethnicity, year, and jurisdiction		Percentage of students	Average scale score	PERCENT			
				Below <i>NAEP Basic</i>	At or above <i>NAEP Basic</i>	At or above <i>NAEP Proficient</i>	At <i>NAEP Advanced</i>
Black							
1990 ¹	Nation (public)	16*	236*	79*	21*	5*	#
	Rhode Island	5*	228*	86*	14*	2	#
1992 ¹	Nation (public)	17*	236*	81*	19*	2*	#
	Rhode Island	6*	240	72	28	2	#
1996 ¹	Nation (public)	16*	241*	74*	26*	4*	#
	Rhode Island	5*	237*	78	22	6	#
2000 ¹	Nation (public)	14	245*	70*	30*	5*	#*
	Rhode Island	6*	244	73	27	6	1
2000	Nation (public)	17*	243*	70*	30*	5*	#*
	Rhode Island	7*	240	77	23	4	1
2003	Nation (public)	17*	252	61	39	7*	#*
	Rhode Island	7	244	71	29	5	#
2005	Nation (public)	17*	254*	59*	41*	8	1*
	Rhode Island	8	249	66	34	5	#
2007	Nation (public)	17*	259*	53*	47*	11*	1
	Rhode Island	9	250	61	39	9	#
2009	Nation (public)	16*	260*	51*	49*	12*	1
	Rhode Island	9	256	55	45	8	1
2011	Nation (public)	16*	262*	50*	50*	13*	1
	Rhode Island	7*	256*	52*	48*	12	1
2013	Nation (public)	15	263*	49*	51*	14*	2
	Rhode Island	8	263*	48*	52*	15*	1
2015	Nation (public)	15	260*	53*	47*	12*	1
	Rhode Island	8	258*	52*	48*	14	2
2017	Nation (public)	15	260*	54*	46*	13*	2
	Rhode Island	9	261*	51*	49*	15	2
2019	Nation (public)	15	259*	54*	46*	13*	2*
	Rhode Island	9	258	56	44	15	4
2022	Nation (public)	15	252	62	38	9	1
	Rhode Island	9	248	67	33	6	1

See notes at end of table.

THE NATION'S REPORT CARD 2022 STATE ASSESSMENT
Table 3-B. Percentage of eighth-grade public school students, average scale score, and achievement-level results in NAEP mathematics, by race/ethnicity, year and jurisdiction: Various years, 1990–2022—Continued

Race/ethnicity, year, and jurisdiction		Percentage of students	Average scale score	PERCENT			
				Below <i>NAEP Basic</i>	At or above <i>NAEP Basic</i>	At or above <i>NAEP Proficient</i>	At <i>NAEP Advanced</i>
Hispanic							
1990 ¹	Nation (public)	7*	245*	67*	33*	7*	1
	Rhode Island	5*	227*	87*	13*	1*	#
1992 ¹	Nation (public)	8*	247*	67*	33*	6*	#*
	Rhode Island	6*	227*	85*	15*	2*	#
1996 ¹	Nation (public)	9*	250*	62*	38*	8*	1
	Rhode Island	8*	238*	74	26	3*	#
2000 ¹	Nation (public)	11*	252*	60*	40*	8*	#*
	Rhode Island	9*	245	70	30	3*	#
2000	Nation (public)	14*	252*	60*	40*	8*	#*
	Rhode Island	10*	240*	74*	26*	3*	#
2003	Nation (public)	15*	258*	53	47	11*	1*
	Rhode Island	13*	245*	71*	29*	5	#
2005	Nation (public)	17*	261	50	50	13	1*
	Rhode Island	15*	244*	71*	29*	4*	#
2007	Nation (public)	19*	264*	46*	54*	15	2
	Rhode Island	17*	251	61	39	7	1
2009	Nation (public)	21*	266*	44*	56*	17*	2
	Rhode Island	17*	255	57	43	8	1
2011	Nation (public)	23*	269*	40*	60*	20*	3
	Rhode Island	19*	261*	49*	51*	13	2
2013	Nation (public)	23*	271*	38*	62*	21*	3*
	Rhode Island	20*	263*	45*	55*	15*	1
2015	Nation (public)	25*	269*	40*	60*	19*	3
	Rhode Island	23*	265*	44*	56*	13	1
2017	Nation (public)	25*	268*	43*	57*	20*	3*
	Rhode Island	23*	257	56	44	12	2
2019	Nation (public)	27*	268*	43*	57*	19*	3*
	Rhode Island	26*	255	56	44	13	2
2022	Nation (public)	29	261	52	48	14	2
	Rhode Island	28	254	59	41	10	2

See notes at end of table.

THE NATION'S REPORT CARD 2022 STATE ASSESSMENT**Table 3-B. Percentage of eighth-grade public school students, average scale score, and achievement-level results in NAEP mathematics, by race/ethnicity, year and jurisdiction: Various years, 1990–2022—Continued**

Race/ethnicity, year, and jurisdiction		Percentage of students	Average scale score	PERCENT			
				Below <i>NAEP Basic</i>	At or above <i>NAEP Basic</i>	At or above <i>NAEP Proficient</i>	At <i>NAEP Advanced</i>
Asian/Pacific Islander							
1990 ¹	Nation (public)	2*	275*	36*	64*	30*	6*
	Rhode Island	2*	‡	‡	‡	‡	‡
1992 ¹	Nation (public)	2*	290	25	75	43	14
	Rhode Island	3*	‡	‡	‡	‡	‡
1996 ¹	Nation (public)	‡	‡	‡	‡	‡	‡
	Rhode Island	3	263	48	52	16	1
2000 ¹	Nation (public)	4*	286*	27*	73*	40*	12*
	Rhode Island	4	272	36	64	20	3
2000	Nation (public)	4*	287*	27*	73*	40*	12*
	Rhode Island	3	267	46	54	20	6
2003	Nation (public)	4*	289*	23*	77*	42*	12*
	Rhode Island	3	265	46	54	20	2
2005	Nation (public)	5*	294*	19*	81*	46*	16*
	Rhode Island	3	278	26	74	26	7
2007	Nation (public)	5*	296*	18	82	49*	17*
	Rhode Island	4	282	29	71	31	8
2009	Nation (public)	5*	300*	16	84	53	20*
	Rhode Island	3*	292	15	85	40	10
2011	Nation (public)	6*	302	15	85	55	22
	Rhode Island	3	287	23	77	41	7
2013	Nation (public)	5*	306	13*	87*	60	25
	Rhode Island	3	283	30	70	34	12
2015	Nation (public)	6*	305	14*	86*	58	25
	Rhode Island	3*	299	14	86	49	17
2017	Nation (public)	6	310*	14*	86*	62*	30
	Rhode Island	3*	‡	‡	‡	‡	‡
2019	Nation (public)	6	309*	15	85	61*	32*
	Rhode Island	3*	‡	‡	‡	‡	‡
2022	Nation (public)	6	304	16	84	56	26
	Rhode Island	4	‡	‡	‡	‡	‡

See notes at end of table.

THE NATION'S REPORT CARD 2022 STATE ASSESSMENT

Table 3-B. Percentage of eighth-grade public school students, average scale score, and achievement-level results in NAEP mathematics, by race/ethnicity, year and jurisdiction: Various years, 1990–2022—Continued

Race/ethnicity, year, and jurisdiction		Percentage of students	Average scale score	PERCENT			
				Below <i>NAEP Basic</i>	At or above <i>NAEP Basic</i>	At or above <i>NAEP Proficient</i>	At <i>NAEP Advanced</i>
American Indian/Alaska Native							
1990 ¹	Nation (public)	1	‡	‡	‡	‡	‡
	Rhode Island	#*	‡	‡	‡	‡	‡
1992 ¹	Nation (public)	1	‡	‡	‡	‡	‡
	Rhode Island	#	‡	‡	‡	‡	‡
1996 ¹	Nation (public)	1	‡	‡	‡	‡	‡
	Rhode Island	#*	‡	‡	‡	‡	‡
2000 ¹	Nation (public)	1	264	47	53	14	2
	Rhode Island	#*	‡	‡	‡	‡	‡
2000	Nation (public)	1	263	47	53	13	3
	Rhode Island	#*	‡	‡	‡	‡	‡
2003	Nation (public)	1*	265*	46*	54*	16*	2
	Rhode Island	#	‡	‡	‡	‡	‡
2005	Nation (public)	1*	266*	45*	55*	14	2
	Rhode Island	#	‡	‡	‡	‡	‡
2007	Nation (public)	1*	265*	44*	56*	17*	2
	Rhode Island	1	‡	‡	‡	‡	‡
2009	Nation (public)	1*	267*	43*	57*	20*	3*
	Rhode Island	1	‡	‡	‡	‡	‡
2011	Nation (public)	1*	266*	45*	55*	17*	4*
	Rhode Island	1	‡	‡	‡	‡	‡
2013	Nation (public)	1*	270*	40*	60*	21*	3*
	Rhode Island	1	‡	‡	‡	‡	‡
2015	Nation (public)	1*	267*	43*	57*	19*	3
	Rhode Island	1	‡	‡	‡	‡	‡
2017	Nation (public)	1*	268*	43*	57*	19*	4*
	Rhode Island	1	‡	‡	‡	‡	‡
2019	Nation (public)	1	263*	48*	52*	15*	3
	Rhode Island	1	‡	‡	‡	‡	‡
2022	Nation (public)	1	257	56	44	11	1
	Rhode Island	1	‡	‡	‡	‡	‡

Rounds to zero.

‡ Reporting standards not met.

* Value is significantly different ($p < .05$) from the value for the same jurisdiction in 2022.

¹ Accommodations were not permitted for this assessment.

NOTE: The NAEP grade 8 mathematics scale ranges from 0 to 500. NAEP achievement levels correspond to the following points on the NAEP mathematics scales: below *NAEP Basic*, 261 or lower; *NAEP Basic*, 262–298; *NAEP Proficient*, 299–332; and *NAEP Advanced*, 333 or above. At or above *NAEP Basic* includes *NAEP Basic*, *NAEP Proficient*, and *NAEP Advanced*. At or above *NAEP Proficient* includes *NAEP Proficient* and *NAEP Advanced*. All differences were calculated and tested using unrounded numbers.

SOURCE: U.S. Department of Education, Institute of Education Sciences, National Center for Education Statistics, National Assessment of Educational Progress (NAEP), various years, 1990–2022 Mathematics Assessments.

Tables 4-A and 4-B show percentage of students, average scale scores, and percentages by NAEP achievement level for the seven racial/ethnic categories used since 2011: White, Black, Hispanic, Asian, American Indian/Alaska Native, Native Hawaiian/Other Pacific Islander, and Two or More Races at grades 4 and 8 in Rhode Island and the nation.

THE NATION'S REPORT CARD 2022 STATE ASSESSMENT

Table 4-A. Percentage of fourth-grade public school students, average scale score, and achievement-level results in NAEP mathematics, by race/ethnicity, year and jurisdiction: Various years, 2011–2022

Race/ethnicity, year, and jurisdiction		Percentage of students	Average scale score	PERCENT			
				Below <i>NAEP Basic</i>	At or above <i>NAEP Basic</i>	At or above <i>NAEP Proficient</i>	At <i>NAEP Advanced</i>
White							
2011	Nation (public)	52*	249*	9*	91*	52*	9
	Rhode Island	64*	249*	9*	91*	53*	10
2013	Nation (public)	51*	250*	9*	91*	54*	10
	Rhode Island	63*	250*	9*	91*	53*	10
2015	Nation (public)	49*	248*	10*	90*	51*	10
	Rhode Island	62*	246	12	88	48	8
2017	Nation (public)	47*	248*	12*	88*	51*	11
	Rhode Island	57	245	15	85	48	9
2019	Nation (public)	46	249*	12*	88*	52*	12*
	Rhode Island	56	247	12	88	51	9
2022	Nation (public)	45	245	15	85	47	10
	Rhode Island	54	244	16	84	45	9
Black							
2011	Nation (public)	16*	224*	34*	66*	17*	1
	Rhode Island	8	225	31	69	20	2
2013	Nation (public)	16	224*	34*	66*	18*	1
	Rhode Island	9	224	34	66	19	1
2015	Nation (public)	15	224*	35*	65*	19*	1
	Rhode Island	8	222	35	65	17	#
2017	Nation (public)	15	223*	37*	63*	19*	2
	Rhode Island	9	225	31	69	20	1
2019	Nation (public)	15	224*	35*	65*	20*	2*
	Rhode Island	8	227	30	70	24	2
2022	Nation (public)	15	216	46	54	15	1
	Rhode Island	9	219	42	58	15	2
Hispanic							
2011	Nation (public)	24*	229*	28*	72*	24*	2
	Rhode Island	22*	224	33*	67*	21	1
2013	Nation (public)	25*	230*	27*	73*	26*	2
	Rhode Island	23*	226*	32*	68*	23	2
2015	Nation (public)	26*	230*	27*	73*	26*	3
	Rhode Island	22*	223	34*	66*	18	1
2017	Nation (public)	27	229*	30*	70*	26*	3
	Rhode Island	26	224	34*	66*	22	2
2019	Nation (public)	28	231*	27*	73*	28*	3*
	Rhode Island	26	226*	32*	68*	24	2
2022	Nation (public)	28	224	37	63	21	2
	Rhode Island	28	219	45	55	17	2

See notes at end of table.

THE NATION'S REPORT CARD 2022 STATE ASSESSMENT

Table 4-A. Percentage of fourth-grade public school students, average scale score, and achievement-level results in NAEP mathematics, by race/ethnicity, year and jurisdiction: Various years, 2011–2022—Continued

Race/ethnicity, year, and jurisdiction		Percentage of students	Average scale score	PERCENT			
				Below <i>NAEP Basic</i>	At or above <i>NAEP Basic</i>	At or above <i>NAEP Proficient</i>	At <i>NAEP Advanced</i>
Asian							
2011	Nation (public)	5	257	8	92	64	21
	Rhode Island	3	251	8	92	50	13
2013	Nation (public)	5	260	7	93	67	24
	Rhode Island	3	240	17	83	39	8
2015	Nation (public)	5	259	8	92	64	23
	Rhode Island	3	239	21	79	43	10
2017	Nation (public)	5	260	8	92	67	26
	Rhode Island	3	256	9	91	58	24
2019	Nation (public)	5	263*	7	93	70*	29
	Rhode Island	4	250	9	91	52	13
2022	Nation (public)	6	259	9	91	64	25
	Rhode Island	4	250	9	91	51	11
American Indian/Alaska Native							
2011	Nation (public)	1	227*	32*	68*	24	2
	Rhode Island	1	‡	‡	‡	‡	‡
2013	Nation (public)	1	228*	30*	70*	24	2
	Rhode Island	1	‡	‡	‡	‡	‡
2015	Nation (public)	1	228*	30*	70*	24	2
	Rhode Island	1	‡	‡	‡	‡	‡
2017	Nation (public)	1	228*	31*	69*	25*	3
	Rhode Island	1	‡	‡	‡	‡	‡
2019	Nation (public)	1	228*	32*	68*	25*	4
	Rhode Island	1	‡	‡	‡	‡	‡
2022	Nation (public)	1	220	42	58	19	3
	Rhode Island	1	‡	‡	‡	‡	‡
Native Hawaiian/Other Pacific Islander							
2011	Nation (public)	#	235*	24*	76*	33*	7
	Rhode Island	#	‡	‡	‡	‡	‡
2013	Nation (public)	#	235*	23*	77*	32*	4
	Rhode Island	#	‡	‡	‡	‡	‡
2015	Nation (public)	#	226	35	65	24	3
	Rhode Island	#	‡	‡	‡	‡	‡
2017	Nation (public)	#	228	30	70	27*	4
	Rhode Island	#	‡	‡	‡	‡	‡
2019	Nation (public)	#	230*	30	70	29*	5
	Rhode Island	#	‡	‡	‡	‡	‡
2022	Nation (public)	#	222	40	60	18	2
	Rhode Island	#	‡	‡	‡	‡	‡

See notes at end of table.

THE NATION'S REPORT CARD 2022 STATE ASSESSMENT

Table 4-A. Percentage of fourth-grade public school students, average scale score, and achievement-level results in NAEP mathematics, by race/ethnicity, year and jurisdiction: Various years, 2011–2022—Continued

Race/ethnicity, year, and jurisdiction		Percentage of students	Average scale score	PERCENT			
				Below <i>NAEP Basic</i>	At or above <i>NAEP Basic</i>	At or above <i>NAEP Proficient</i>	At <i>NAEP Advanced</i>
Two or More Races							
2011	Nation (public)	2*	244*	15*	85*	43*	9
	Rhode Island	3*	238	20	80	43	6
2013	Nation (public)	3*	244*	14*	86*	45*	9
	Rhode Island	2*	237	23	77	37	7
2015	Nation (public)	3*	244*	15*	85*	44*	9
	Rhode Island	4	231	27	73	26	5
2017	Nation (public)	4*	244*	16*	84*	44*	10
	Rhode Island	5	238	20	80	39	6
2019	Nation (public)	4*	243*	17*	83*	44*	10
	Rhode Island	5	233	26	74	29	5
2022	Nation (public)	5	238	23	77	38	9
	Rhode Island	5	232	24	76	26	5

Rounds to zero.

‡ Reporting standards not met.

* Value is significantly different ($p < .05$) from the value for the same jurisdiction in 2022.

NOTE: The NAEP grade 4 mathematics scale ranges from 0 to 500. NAEP achievement levels correspond to the following points on the NAEP mathematics scales: below *NAEP Basic*, 213 or lower; *NAEP Basic*, 214–248; *NAEP Proficient*, 249–281; and *NAEP Advanced*, 282 or above. At or above *NAEP Basic* includes *NAEP Basic*, *NAEP Proficient*, and *NAEP Advanced*. At or above *NAEP Proficient* includes *NAEP Proficient* and *NAEP Advanced*. All differences were calculated and tested using unrounded numbers.

SOURCE: U.S. Department of Education, Institute of Education Sciences, National Center for Education Statistics, National Assessment of Educational Progress (NAEP), various years, 2011–2022 Mathematics Assessments.

THE NATION'S REPORT CARD 2022 STATE ASSESSMENT

Table 4-B. Percentage of eighth-grade public school students, average scale score, and achievement-level results in NAEP mathematics, by race/ethnicity, year and jurisdiction: Various years, 2011–2022

Race/ethnicity, year, and jurisdiction		Percentage of students	Average scale score	PERCENT			
				Below <i>NAEP Basic</i>	At or above <i>NAEP Basic</i>	At or above <i>NAEP Proficient</i>	At <i>NAEP Advanced</i>
White							
2011	Nation (public)	54*	293*	17*	83*	43*	10*
	Rhode Island	68*	292*	18*	82*	42*	10
2013	Nation (public)	53*	293*	17*	83*	44*	11*
	Rhode Island	65*	294*	16*	84*	45*	11
2015	Nation (public)	51*	291*	19*	81*	42*	10*
	Rhode Island	62*	290*	19*	81*	41*	9
2017	Nation (public)	50*	292*	20*	80*	43*	13*
	Rhode Island	61*	287*	23*	77*	39	8
2019	Nation (public)	48*	291*	21*	79*	43*	13*
	Rhode Island	58*	287*	25	75	39	11
2022	Nation (public)	45	284	28	72	34	9
	Rhode Island	53	282	30	70	32	9
Black							
2011	Nation (public)	16*	262*	50*	50*	13*	1
	Rhode Island	7*	256*	52*	48*	12	1
2013	Nation (public)	15	263*	49*	51*	14*	2
	Rhode Island	8	263*	48*	52*	15*	1
2015	Nation (public)	15	260*	53*	47*	12*	1
	Rhode Island	8	258*	52*	48*	14	2
2017	Nation (public)	15	260*	54*	46*	13*	2
	Rhode Island	9	261*	51*	49*	15	2
2019	Nation (public)	15	259*	54*	46*	13*	2*
	Rhode Island	9	258	56	44	15	4
2022	Nation (public)	15	252	62	38	9	1
	Rhode Island	9	248	67	33	6	1
Hispanic							
2011	Nation (public)	23*	269*	40*	60*	20*	3
	Rhode Island	19*	261*	49*	51*	13	2
2013	Nation (public)	23*	271*	38*	62*	21*	3*
	Rhode Island	20*	263*	45*	55*	15*	1
2015	Nation (public)	25*	269*	40*	60*	19*	3
	Rhode Island	23*	265*	44*	56*	13	1
2017	Nation (public)	25*	268*	43*	57*	20*	3*
	Rhode Island	23*	257	56	44	12	2
2019	Nation (public)	27*	268*	43*	57*	19*	3*
	Rhode Island	26*	255	56	44	13	2
2022	Nation (public)	29	261	52	48	14	2
	Rhode Island	28	254	59	41	10	2

See notes at end of table.

THE NATION'S REPORT CARD 2022 STATE ASSESSMENT
Table 4-B. Percentage of eighth-grade public school students, average scale score, and achievement-level results in NAEP mathematics, by race/ethnicity, year and jurisdiction: Various years, 2011–2022—Continued

Race/ethnicity, year, and jurisdiction		Percentage of students	Average scale score	PERCENT			
				Below <i>NAEP Basic</i>	At or above <i>NAEP Basic</i>	At or above <i>NAEP Proficient</i>	At <i>NAEP Advanced</i>
Asian							
2011	Nation (public)	5*	305	12	88	58	24
	Rhode Island	3	287	22	78	42	7
2013	Nation (public)	5*	308	12*	88*	62	27
	Rhode Island	3	285	29	71	37	14
2015	Nation (public)	5	307	12	88	60	26
	Rhode Island	3	300	14	86	50	18
2017	Nation (public)	5	312*	12	88	65*	32*
	Rhode Island	3	‡	‡	‡	‡	‡
2019	Nation (public)	6	313*	12	88	64*	33*
	Rhode Island	3	‡	‡	‡	‡	‡
2022	Nation (public)	6	306	14	86	58	27
	Rhode Island	4	‡	‡	‡	‡	‡
American Indian/Alaska Native							
2011	Nation (public)	1*	266*	45*	55*	17*	4*
	Rhode Island	1	‡	‡	‡	‡	‡
2013	Nation (public)	1*	270*	40*	60*	21*	3*
	Rhode Island	1	‡	‡	‡	‡	‡
2015	Nation (public)	1*	267*	43*	57*	19*	3
	Rhode Island	1	‡	‡	‡	‡	‡
2017	Nation (public)	1*	268*	43*	57*	19*	4*
	Rhode Island	1	‡	‡	‡	‡	‡
2019	Nation (public)	1	263*	48*	52*	15*	3
	Rhode Island	1	‡	‡	‡	‡	‡
2022	Nation (public)	1	257	56	44	11	1
	Rhode Island	1	‡	‡	‡	‡	‡
Native Hawaiian/Other Pacific Islander							
2011	Nation (public)	#	265	45	55	19	3
	Rhode Island	#	‡	‡	‡	‡	‡
2013	Nation (public)	#	274*	34*	66*	24*	4
	Rhode Island	#	‡	‡	‡	‡	‡
2015	Nation (public)	#	277*	35*	65*	30*	6
	Rhode Island	#	‡	‡	‡	‡	‡
2017	Nation (public)	#	272*	38*	62*	23	5
	Rhode Island	#	‡	‡	‡	‡	‡
2019	Nation (public)	#	263	47	53	18	4
	Rhode Island	#	‡	‡	‡	‡	‡
2022	Nation (public)	#	262	54	46	15	5
	Rhode Island	#	‡	‡	‡	‡	‡

See notes at end of table.

THE NATION'S REPORT CARD 2022 STATE ASSESSMENT**Table 4-B. Percentage of eighth-grade public school students, average scale score, and achievement-level results in NAEP mathematics, by race/ethnicity, year and jurisdiction: Various years, 2011–2022—Continued**

Race/ethnicity, year, and jurisdiction		Percentage of students	Average scale score	PERCENT			
				Below <i>NAEP Basic</i>	At or above <i>NAEP Basic</i>	At or above <i>NAEP Proficient</i>	At <i>NAEP Advanced</i>
Two or More Races							
2011	Nation (public)	2*	286*	24*	76*	37*	10*
	Rhode Island	2*	286*	18*	82*	30	6
2013	Nation (public)	2*	286*	24*	76*	37*	10*
	Rhode Island	2*	‡	‡	‡	‡	‡
2015	Nation (public)	2*	283*	28*	72*	35*	9
	Rhode Island	3*	274	33	67	21	3
2017	Nation (public)	3*	285*	28*	72*	36*	12*
	Rhode Island	3*	273	43	57	28	5
2019	Nation (public)	3*	285*	28*	72*	36*	11*
	Rhode Island	4	273	38	62	24	2
2022	Nation (public)	4	275	37	63	27	6
	Rhode Island	5	272	38	62	26	4

Rounds to zero.

‡ Reporting standards not met.

* Value is significantly different ($p < .05$) from the value for the same jurisdiction in 2022.

NOTE: The NAEP grade 8 mathematics scale ranges from 0 to 500. NAEP achievement levels correspond to the following points on the NAEP mathematics scales: below *NAEP Basic*, 261 or lower; *NAEP Basic*, 262-298; *NAEP Proficient*, 299-332; and *NAEP Advanced*, 333 or above. At or above *NAEP Basic* includes *NAEP Basic*, *NAEP Proficient*, and *NAEP Advanced*. At or above *NAEP Proficient* includes *NAEP Proficient* and *NAEP Advanced*. All differences were calculated and tested using unrounded numbers.

SOURCE: U.S. Department of Education, Institute of Education Sciences, National Center for Education Statistics, National Assessment of Educational Progress (NAEP), various years, 2011–2022 Mathematics Assessments.

Gender

Results are reported separately for male and female students.

Tables 5-A and 5-B show percentage of students, average scale scores, and percentages by NAEP achievement level for public school students at grades 4 and 8 in Rhode Island and the nation, by gender.

Grade 4 Average Scale Score Results by Gender

- In 2022, male students in Rhode Island had an average scale score in mathematics (236) that was higher than that of female students (232). In 1992, male students in Rhode Island had an average scale score in mathematics (216) that was not significantly different from that of female students (215).
- In 2022, male students in Rhode Island had an average scale score in mathematics (236) that was not significantly different from that of male students in public schools across the nation (238). Similarly, female students in Rhode Island had an average scale score (232) that was not significantly different from that of female students across the nation (232).
- In Rhode Island, the average scale score of male students in 2022 was higher than the scores of male students in 1992, 1996, 2000, and 2003, but lower than the scores of male students in 2009, 2011, 2013, and 2019, and not significantly different from the scores of male students in 2005, 2007, 2015, and 2017.
- In Rhode Island, the average scale score of female students in 2022 was higher than the scores of female students in 1992, 1996, and 2000, but lower than the scores of female students in 2009, 2011, 2013, 2015, 2017, and 2019, and not significantly different from the scores of female students in 2003, 2005, and 2007.

Grade 4 NAEP Achievement-Level Results by Gender

- In the 2022 assessment, 36 percent of male students and 31 percent of female students performed at or above *NAEP Proficient* in Rhode Island. The difference between these percentages was not statistically significant.
- The percentage of male students in Rhode Island's public schools who were at or above *NAEP Proficient* in 2022 (36 percent) was not significantly different from that of male students in the nation (39 percent).
- The percentage of female students in Rhode Island's public schools who were at or above *NAEP Proficient* in 2022 (31 percent) was not significantly different from that of female students in the nation (31 percent).
- In Rhode Island, the percentage of male students performing at or above *NAEP Proficient* in 2022 was greater than the corresponding percentages of students in 1992, 1996, 2000, and 2003, but smaller than the corresponding percentages of students in 2009, 2011, 2013, and 2019, and not significantly different from the corresponding percentages of students in 2005, 2007, 2015, and 2017.
- In Rhode Island, the percentage of female students performing at or above *NAEP Proficient* in 2022 was greater than the corresponding percentages of students in 1992, 1996, and 2000, but smaller than the corresponding percentages of students in 2011, 2013, and 2019, and not significantly different from the corresponding percentages of students in 2003, 2005, 2007, 2009, 2015, and 2017.

THE NATION'S REPORT CARD 2022 STATE ASSESSMENT**Table 5-A. Percentage of fourth-grade public school students, average scale score, and achievement-level results in NAEP mathematics, by gender, year and jurisdiction: Various years, 1992–2022**

Gender, year, and jurisdiction		Percentage of students	Average scale score	PERCENT			
				Below <i>NAEP Basic</i>	At or above <i>NAEP Basic</i>	At or above <i>NAEP Proficient</i>	At <i>NAEP Advanced</i>
Male							
1992 ¹	Nation (public)	50	220*	41*	59*	19*	2*
	Rhode Island	51	216*	45*	55*	15*	2*
1996 ¹	Nation (public)	51	224*	37*	63*	22*	3*
	Rhode Island	52	223*	37*	63*	20*	2*
2000 ¹	Nation (public)	51	227*	32*	68*	27*	3*
	Rhode Island	50	225*	33*	67*	26*	3*
2000	Nation (public)	51	225*	35*	65*	25*	3*
	Rhode Island	51	225*	34*	66*	25*	2*
2003	Nation (public)	51	235*	23	77	34*	5*
	Rhode Island	50	231*	27	73	29*	3*
2005	Nation (public)	51	238	20*	80*	37*	6*
	Rhode Island	51	234	24	76	32	4*
2007	Nation (public)	51	240*	18*	82*	41*	7*
	Rhode Island	51	236	20*	80*	36	4*
2009	Nation (public)	51	240*	19*	81*	40	7*
	Rhode Island	52	240*	18*	82*	43*	6
2011	Nation (public)	51	241*	18*	82*	41*	7*
	Rhode Island	52	242*	17*	83*	43*	8
2013	Nation (public)	51	242*	18*	82*	42*	8
	Rhode Island	51	242*	17*	83*	44*	8
2015	Nation (public)	51	241*	19*	81*	41*	8
	Rhode Island	51	238	21	79	39	7
2017	Nation (public)	51	240*	21*	79*	41*	9
	Rhode Island	50	238	22	78	40	8
2019	Nation (public)	51	242*	20*	80*	43*	10*
	Rhode Island	51	241*	19*	81*	43*	9
2022	Nation (public)	51	238	24	76	39	9
	Rhode Island	52	236	25	75	36	8

See notes at end of table.

THE NATION'S REPORT CARD 2022 STATE ASSESSMENT

Table 5-A. Percentage of fourth-grade public school students, average scale score, and achievement-level results in NAEP mathematics, by gender, year and jurisdiction: Various years, 1992–2022—Continued

Gender, year, and jurisdiction		Percentage of students	Average scale score	PERCENT			
				Below <i>NAEP Basic</i>	At or above <i>NAEP Basic</i>	At or above <i>NAEP Proficient</i>	At <i>NAEP Advanced</i>
Female							
1992 ¹	Nation (public)	50	218*	44*	56*	16*	1*
	Rhode Island	49	215*	47*	53*	12*	1
1996 ¹	Nation (public)	49	221*	39*	61*	17*	1*
	Rhode Island	48	218*	41*	59*	14*	1*
2000 ¹	Nation (public)	49	225*	34*	66*	22*	2*
	Rhode Island	50	224*	33	67	20*	2*
2000	Nation (public)	49	223*	38*	62*	20*	1*
	Rhode Island	49	223*	35*	65*	19*	1*
2003	Nation (public)	49	233	25*	75*	29*	3*
	Rhode Island	50	229	30	70	27	3
2005	Nation (public)	49	236*	21*	79*	33*	4*
	Rhode Island	49	233	23	77	29	3
2007	Nation (public)	49	238*	19*	81*	36*	4*
	Rhode Island	49	235	21*	79*	32	3
2009	Nation (public)	49	238*	19*	81*	37*	5
	Rhode Island	48	237*	21*	79*	36	4
2011	Nation (public)	49	239*	18*	82*	39*	6
	Rhode Island	48	242*	15*	85*	42*	6
2013	Nation (public)	49	241*	18*	82*	40*	7*
	Rhode Island	49	241*	17*	83*	41*	6
2015	Nation (public)	49	239*	19*	81*	38*	6
	Rhode Island	49	238*	19*	81*	36	5
2017	Nation (public)	49	238*	21*	79*	38*	7*
	Rhode Island	50	237*	21*	79*	37	6
2019	Nation (public)	49	238*	20*	80*	38*	7*
	Rhode Island	49	238*	20*	80*	38*	4
2022	Nation (public)	49	232	28	72	31	5
	Rhode Island	48	232	28	72	31	4

* Value is significantly different ($p < .05$) from the value for the same jurisdiction in 2022.

¹ Accommodations were not permitted for this assessment.

NOTE: The NAEP grade 4 mathematics scale ranges from 0 to 500. NAEP achievement levels correspond to the following points on the NAEP mathematics scales: below *NAEP Basic*, 213 or lower; *NAEP Basic*, 214-248; *NAEP Proficient*, 249-281; and *NAEP Advanced*, 282 or above. At or above *NAEP Basic* includes *NAEP Basic*, *NAEP Proficient*, and *NAEP Advanced*. At or above *NAEP Proficient* includes *NAEP Proficient* and *NAEP Advanced*. All differences were calculated and tested using unrounded numbers.

SOURCE: U.S. Department of Education, Institute of Education Sciences, National Center for Education Statistics, National Assessment of Educational Progress (NAEP), various years, 1992–2022 Mathematics Assessments.

Grade 8 Average Scale Score Results by Gender

- In 2022, male students in Rhode Island had an average scale score in mathematics (271) that was not significantly different from that of female students (269). In 1990, male students in Rhode Island had an average scale score in mathematics (262) that was higher than that of female students (259).
- In 2022, male students in Rhode Island had an average scale score in mathematics (271) that was lower than that of male students in public schools across the nation (274). However, female students in Rhode Island had an average scale score (269) that was not significantly different from that of female students across the nation (272).
- In Rhode Island, the average scale score of male students in 2022 was higher than the scores of male students in 1990 and 1992, but lower than the scores of male students in 2007, 2009, 2011, 2013, 2015, 2017, and 2019, and not significantly different from the scores of male students in 1996, 2000, 2003, and 2005.
- In Rhode Island, the average scale score of female students in 2022 was higher than the scores of female students in 1990 and 1992, but lower than the scores of female students in 2007, 2009, 2011, 2013, 2015, 2017, and 2019, and not significantly different from the scores of female students in 1996, 2000, 2003, and 2005.

Grade 8 NAEP Achievement-Level Results by Gender

- In the 2022 assessment, 25 percent of male students and 22 percent of female students performed at or above *NAEP Proficient* in Rhode Island. The difference between these percentages was not statistically significant.
- The percentage of male students in Rhode Island's public schools who were at or above *NAEP Proficient* in 2022 (25 percent) was not significantly different from that of male students in the nation (27 percent).
- The percentage of female students in Rhode Island's public schools who were at or above *NAEP Proficient* in 2022 (22 percent) was not significantly different from that of female students in the nation (24 percent).
- In Rhode Island, the percentage of male students performing at or above *NAEP Proficient* in 2022 was greater than the corresponding percentages of students in 1990 and 1992, but smaller than the corresponding percentages of students in 2009, 2011, 2013, 2015, 2017, and 2019, and not significantly different from the corresponding percentages of students in 1996, 2000, 2003, 2005, and 2007.
- In Rhode Island, the percentage of female students performing at or above *NAEP Proficient* in 2022 was greater than the corresponding percentages of students in 1990 and 1992, but smaller than the corresponding percentages of students in 2007, 2009, 2011, 2013, 2015, 2017, and 2019, and not significantly different from the corresponding percentages of students in 1996, 2000, 2003, and 2005.

THE NATION'S REPORT CARD 2022 STATE ASSESSMENT
Table 5-B. Percentage of eighth-grade public school students, average scale score, and achievement-level results in NAEP mathematics, by gender, year and jurisdiction: Various years, 1990–2022

Gender, year, and jurisdiction		Percentage of students	Average scale score	PERCENT			
				Below <i>NAEP Basic</i>	At or above <i>NAEP Basic</i>	At or above <i>NAEP Proficient</i>	At <i>NAEP Advanced</i>
Male							
1990 ¹	Nation (public)	51	262*	49*	51*	17*	2*
	Rhode Island	50	262*	50*	50*	16*	2*
1992 ¹	Nation (public)	52	266*	45*	55*	20*	3*
	Rhode Island	50	266*	44	56	17*	1*
1996 ¹	Nation (public)	52	270*	40	60	24	4*
	Rhode Island	49	271	38	62	22	3*
2000 ¹	Nation (public)	50	276	34*	66*	29	6*
	Rhode Island	51	274	35*	65*	24	4
2000	Nation (public)	50	273	38	62	26	5*
	Rhode Island	52	268	41	59	21	4
2003	Nation (public)	50*	277*	33*	67*	29*	6*
	Rhode Island	52	273	37	63	26	3*
2005	Nation (public)	51*	278*	32*	68*	30*	6*
	Rhode Island	51	272	37	63	24	4*
2007	Nation (public)	51*	281*	29*	71*	33*	8
	Rhode Island	52	276*	34*	66*	29	6
2009	Nation (public)	51*	283*	28*	72*	34*	8*
	Rhode Island	51	278*	32*	68*	29*	6
2011	Nation (public)	51*	283*	28*	72*	34*	9*
	Rhode Island	52	283*	27*	73*	35*	8
2013	Nation (public)	51	284*	27*	73*	35*	9*
	Rhode Island	51	284*	26*	74*	37*	9
2015	Nation (public)	51	281*	30*	70*	32*	8
	Rhode Island	51	280*	30*	70*	31*	6
2017	Nation (public)	51	282*	31*	69*	34*	11*
	Rhode Island	51	278*	35*	65*	31*	8
2019	Nation (public)	51	280*	33*	67*	33*	10*
	Rhode Island	50	275*	37	63	30*	8
2022	Nation (public)	51	274	39	61	27	8
	Rhode Island	51	271	41	59	25	6

See notes at end of table.

THE NATION'S REPORT CARD 2022 STATE ASSESSMENT

Table 5-B. Percentage of eighth-grade public school students, average scale score, and achievement-level results in NAEP mathematics, by gender, year and jurisdiction: Various years, 1990–2022—Continued

Gender, year, and jurisdiction		Percentage of students	Average scale score	PERCENT			
				Below <i>NAEP Basic</i>	At or above <i>NAEP Basic</i>	At or above <i>NAEP Proficient</i>	At <i>NAEP Advanced</i>
Female							
1990 ¹	Nation (public)	49	261*	49*	51*	14*	2*
	Rhode Island	50	259*	52*	48*	13*	1*
1992 ¹	Nation (public)	48	267*	44*	56*	20*	3*
	Rhode Island	50	266*	43	57	15*	1*
1996 ¹	Nation (public)	48	271	39	61	21	3*
	Rhode Island	51	267	42	58	19	2*
2000 ¹	Nation (public)	50	273	36*	64*	24	4*
	Rhode Island	49	273	37*	63*	23	4
2000	Nation (public)	50	271	38	62	23	4*
	Rhode Island	48	270	40	60	22	4
2003	Nation (public)	50*	275*	34*	66*	26*	4*
	Rhode Island	48	271	38	62	22	3*
2005	Nation (public)	49*	277*	33*	67*	27*	5
	Rhode Island	49	273	36*	64*	23	3*
2007	Nation (public)	49*	279*	30*	70*	29*	6
	Rhode Island	48	275*	35*	65*	27*	4
2009	Nation (public)	49*	281*	29*	71*	31*	7*
	Rhode Island	49	278*	31*	69*	26*	5
2011	Nation (public)	49*	282*	28*	72*	33*	7*
	Rhode Island	48	283*	26*	74*	33*	6
2013	Nation (public)	49	283*	27*	73*	34*	7*
	Rhode Island	49	284*	26*	74*	35*	8
2015	Nation (public)	49	281*	29*	71*	32*	7*
	Rhode Island	49	283*	25*	75*	33*	6
2017	Nation (public)	49	282*	31*	69*	33*	9*
	Rhode Island	49	277*	34*	66*	30*	5
2019	Nation (public)	49	282*	31*	69*	33*	9*
	Rhode Island	50	276*	35*	65*	29*	8
2022	Nation (public)	49	272	40	60	24	6
	Rhode Island	49	269	43	57	22	5

* Value is significantly different ($p < .05$) from the value for the same jurisdiction in 2022.

¹ Accommodations were not permitted for this assessment.

NOTE: The NAEP grade 8 mathematics scale ranges from 0 to 500. NAEP achievement levels correspond to the following points on the NAEP mathematics scales: below *NAEP Basic*, 261 or lower; *NAEP Basic*, 262-298; *NAEP Proficient*, 299-332; and *NAEP Advanced*, 333 or above. At or above *NAEP Basic* includes *NAEP Basic*, *NAEP Proficient*, and *NAEP Advanced*. At or above *NAEP Proficient* includes *NAEP Proficient* and *NAEP Advanced*. All differences were calculated and tested using unrounded numbers.

SOURCE: U.S. Department of Education, Institute of Education Sciences, National Center for Education Statistics, National Assessment of Educational Progress (NAEP), various years, 1990–2022 Mathematics Assessments.

Eligibility for Free/Reduced-Price School Lunch

NAEP collects data on eligibility for the federal program providing free or reduced-price school lunches. The free/reduced-price lunch component of the National School Lunch Program (NSLP) offered through the U.S. Department of Agriculture (USDA) is designed to ensure that children near or below the poverty line receive nourishing meals. Eligibility is determined through the USDA's Income Eligibility Guidelines, and data for this category of students are included as an indicator of lower family income. NAEP first collected information on participation in this program in 1996; therefore, cross-year comparisons to assessments prior to 1996 cannot be made.

As a result of the passage of the [Healthy, Hunger-Free Kids Act of 2010](#), schools can use a new universal meal service option, the "Community Eligibility Provision" (CEP). Through CEP, eligible schools can provide meal service to all students at no charge, regardless of economic status and without the need to collect eligibility data through household applications. CEP became available nationwide in the 2014-2015 school year; as a result, the percentage of students in many states categorized as eligible for NSLP may have increased in comparison to 2013. Therefore, readers should interpret NSLP trend results with caution.

Tables 6-A and 6-B show percentage of students, average scale scores, and percentages by NAEP achievement level for public school students at grades 4 and 8 in Rhode Island and the nation, by student eligibility for the NSLP.

Grade 4 Average Scale Score Results by Free/Reduced-Price School Lunch Eligibility

- In 2022, students in Rhode Island eligible for free/reduced-price school lunch had an average mathematics scale score of 222. This was lower than that of students in Rhode Island not eligible for this program (244).
- In 2022, students in Rhode Island who were eligible for free/reduced-price school lunch had an average scale score that was lower than that of students who were not eligible by 22 points. In 1996, the average scale score for students in Rhode Island who were eligible for free/reduced-price school lunch was lower than the score of those not eligible by 25 points.
- Students in Rhode Island eligible for free/reduced-price school lunch had an average scale score (222) in 2022 that was not significantly different from that of students in the nation who were eligible (223).
- In Rhode Island, students eligible for free/reduced-price school lunch had an average mathematics scale score in 2022 that was higher than that of eligible students in 1996, 2000, 2003, and 2005, but lower than that of eligible students in 2011, 2013, and 2019, and not significantly different from that of eligible students in 2007, 2009, 2015, and 2017.

Grade 4 NAEP Achievement-Level Results by Free/Reduced-Price School Lunch Eligibility

- In Rhode Island, 21 percent of students who were eligible for free/reduced-price school lunch and 45 percent of those who were not eligible for this program performed at or above *NAEP Proficient* in 2022. These percentages were significantly different from one another.
- For students in Rhode Island in 2022 who were eligible for free/reduced-price school lunch, the percentage at or above *NAEP Proficient* (21 percent) was not significantly different from the corresponding percentage for their counterparts around the nation (20 percent).
- In Rhode Island, the percentage of students eligible for free/reduced-price school lunch who performed at or above *NAEP Proficient* in 2022 was greater than the corresponding percentages in 1996, 2000, 2003, and 2005, but smaller than the corresponding percentages in 2011 and 2019, and not significantly different from the corresponding percentages in 2007, 2009, 2013, 2015, and 2017.

THE NATION'S REPORT CARD 2022 STATE ASSESSMENT
Table 6-A. Percentage of fourth-grade public school students, average scale score, and achievement-level results in NAEP mathematics, by National School Lunch Program eligibility status, year and jurisdiction: Various years, 1996–2022

Eligibility status, year, and jurisdiction		Percentage of students	Average scale score	PERCENT			
				Below <i>NAEP Basic</i>	At or above <i>NAEP Basic</i>	At or above <i>NAEP Proficient</i>	At <i>NAEP Advanced</i>
Eligible							
1996 ¹	Nation (public)	34*	207*	59*	41*	8*	#*
	Rhode Island	34*	204*	60*	40*	5*	#
2000 ¹	Nation (public)	35*	210*	54*	46*	9*	#*
	Rhode Island	35*	206*	56*	44*	7*	1
2000	Nation (public)	40*	208*	57*	43*	7*	#*
	Rhode Island	35*	207*	57*	43*	7*	#*
2003	Nation (public)	44*	222	38	62	15*	1*
	Rhode Island	40*	217*	45	55	13*	1
2005	Nation (public)	46*	225*	33*	67*	19	1*
	Rhode Island	38*	218*	43	57	13*	1*
2007	Nation (public)	46*	227*	30*	70*	22	1*
	Rhode Island	40*	222	35	65	18	1*
2009	Nation (public)	48*	228*	29*	71*	22*	1*
	Rhode Island	41*	224	34	66	18	1
2011	Nation (public)	52	229*	27*	73*	24*	2
	Rhode Island	46	229*	26*	74*	26*	2
2013	Nation (public)	54*	230*	27*	73*	26*	2
	Rhode Island	49	229*	28*	72*	25	2
2015	Nation (public)	55*	229*	28*	72*	24*	2
	Rhode Island	47	226	32*	68*	21	2
2017	Nation (public)	54*	228*	31*	69*	25*	3
	Rhode Island	50	225	33*	67*	23	2
2019	Nation (public)	54*	229*	29*	71*	26*	3*
	Rhode Island	51*	229*	29*	71*	26*	2
2022	Nation (public)	52	223	38	62	20	2
	Rhode Island	47	222	39	61	21	2

See notes at end of table.

THE NATION'S REPORT CARD 2022 STATE ASSESSMENT**Table 6-A. Percentage of fourth-grade public school students, average scale score, and achievement-level results in NAEP mathematics, by National School Lunch Program eligibility status, year and jurisdiction: Various years, 1996–2022—Continued**

Eligibility status, year, and jurisdiction		Percentage of students	Average scale score	PERCENT			
				Below <i>NAEP Basic</i>	At or above <i>NAEP Basic</i>	At or above <i>NAEP Proficient</i>	At <i>NAEP Advanced</i>
Not eligible							
1996 ¹	Nation (public)	52*	231*	27*	73*	25*	3*
	Rhode Island	65*	229*	28*	72*	24*	2*
2000 ¹	Nation (public)	52	236*	21*	79*	33*	4*
	Rhode Island	60*	236*	18	82	33*	3*
2000	Nation (public)	49	235*	23*	77*	32*	4*
	Rhode Island	59*	236*	19	81	32*	3*
2003	Nation (public)	52*	244*	12	88	45*	6*
	Rhode Island	52	242	14	86	41	5*
2005	Nation (public)	52*	248	10*	90*	50	8*
	Rhode Island	62*	243	12	88	41	5*
2007	Nation (public)	53*	249	9*	91*	53	9*
	Rhode Island	60*	245	11*	89*	45	5*
2009	Nation (public)	51*	250*	9*	91*	54*	10*
	Rhode Island	59*	249*	9*	91*	54*	8
2011	Nation (public)	47	252*	8*	92*	57*	12
	Rhode Island	54	252*	8*	92*	57*	11
2013	Nation (public)	46*	254*	7*	93*	60*	14
	Rhode Island	51	253*	7*	93*	60*	12
2015	Nation (public)	44*	253*	8*	92*	58*	13
	Rhode Island	53	249*	9*	91*	52*	9
2017	Nation (public)	45*	253*	9*	91*	57*	14*
	Rhode Island	49	250*	10*	90*	55*	12
2019	Nation (public)	45*	253*	9*	91*	58*	15*
	Rhode Island	49*	251*	9*	91*	56*	11
2022	Nation (public)	47	248	13	87	51	13
	Rhode Island	53	244	16	84	45	10

See notes at end of table.

THE NATION'S REPORT CARD 2022 STATE ASSESSMENT

Table 6-A. Percentage of fourth-grade public school students, average scale score, and achievement-level results in NAEP mathematics, by National School Lunch Program eligibility status, year and jurisdiction: Various years, 1996–2022—Continued

Eligibility status, year, and jurisdiction		Percentage of students	Average scale score	PERCENT			
				Below <i>NAEP Basic</i>	At or above <i>NAEP Basic</i>	At or above <i>NAEP Proficient</i>	At <i>NAEP Advanced</i>
Information not available							
1996 ¹	Nation (public)	13*	230	28	72	28	3*
	Rhode Island	‡	‡	‡	‡	‡	‡
2000 ¹	Nation (public)	13*	235	23	77	35	3*
	Rhode Island	4	219	43	57	16	1
2000	Nation (public)	11*	236	22	78	35	4*
	Rhode Island	5	212	51	49	13	1
2003	Nation (public)	4*	235	23	77	34	4*
	Rhode Island	8	220	41	59	19	2
2005	Nation (public)	2*	237	21	79	36	5
	Rhode Island	#	‡	‡	‡	‡	‡
2007	Nation (public)	1	243	17*	83*	44	8
	Rhode Island	#	‡	‡	‡	‡	‡
2009	Nation (public)	1*	240	22	78	42	7
	Rhode Island	#	‡	‡	‡	‡	‡
2011	Nation (public)	#*	247*	12*	88*	49	10
	Rhode Island	#	‡	‡	‡	‡	‡
2013	Nation (public)	1*	255*	9*	91*	60*	18
	Rhode Island	#	‡	‡	‡	‡	‡
2015	Nation (public)	1	246*	15*	85*	49*	11
	Rhode Island	#	‡	‡	‡	‡	‡
2017	Nation (public)	1	238	22	78	38	8
	Rhode Island	#	‡	‡	‡	‡	‡
2019	Nation (public)	1*	239	20	80	40	9
	Rhode Island	#	‡	‡	‡	‡	‡
2022	Nation (public)	1	236	25	75	37	8
	Rhode Island	#	‡	‡	‡	‡	‡

Rounds to zero.

‡ Reporting standards not met.

* Value is significantly different ($p < .05$) from the value for the same jurisdiction in 2022.

¹ Accommodations were not permitted for this assessment.

NOTE: The NAEP grade 4 mathematics scale ranges from 0 to 500. NAEP achievement levels correspond to the following points on the NAEP mathematics scales: below *NAEP Basic*, 213 or lower; *NAEP Basic*, 214–248; *NAEP Proficient*, 249–281; and *NAEP Advanced*, 282 or above. At or above *NAEP Basic* includes *NAEP Basic*, *NAEP Proficient*, and *NAEP Advanced*. At or above *NAEP Proficient* includes *NAEP Proficient* and *NAEP Advanced*. All differences were calculated and tested using unrounded numbers.

SOURCE: U.S. Department of Education, Institute of Education Sciences, National Center for Education Statistics, National Assessment of Educational Progress (NAEP), various years, 1996–2022 Mathematics Assessments.

Grade 8 Average Scale Score Results by Free/Reduced-Price School Lunch Eligibility

- In 2022, students in Rhode Island eligible for free/reduced-price school lunch had an average mathematics scale score of 254. This was lower than that of students in Rhode Island not eligible for this program (283).
- In 2022, students in Rhode Island who were eligible for free/reduced-price school lunch had an average scale score that was lower than that of students who were not eligible by 29 points. In 1996, the average scale score for students in Rhode Island who were eligible for free/reduced-price school lunch was lower than the score of those not eligible by 27 points.
- Students in Rhode Island eligible for free/reduced-price school lunch had an average scale score (254) in 2022 that was lower than that of students in the nation who were eligible (260).
- In Rhode Island, students eligible for free/reduced-price school lunch had an average mathematics scale score in 2022 that was higher than that of eligible students in 2000, but lower than that of eligible students in 2009, 2011, 2013, 2015, and 2017, and not significantly different from that of eligible students in 1996, 2003, 2005, 2007, and 2019.

Grade 8 NAEP Achievement-Level Results by Free/Reduced-Price School Lunch Eligibility

- In Rhode Island, 10 percent of students who were eligible for free/reduced-price school lunch and 35 percent of those who were not eligible for this program performed at or above *NAEP Proficient* in 2022. These percentages were significantly different from one another.
- For students in Rhode Island in 2022 who were eligible for free/reduced-price school lunch, the percentage at or above *NAEP Proficient* (10 percent) was smaller than the corresponding percentage for their counterparts around the nation (13 percent).
- In Rhode Island, the percentage of students eligible for free/reduced-price school lunch who performed at or above *NAEP Proficient* in 2022 was greater than the percentage in 2000, but smaller than the corresponding percentages in 2011, 2013, 2015, and 2017, and not significantly different from the corresponding percentages in 1996, 2003, 2005, 2007, 2009, and 2019.

THE NATION'S REPORT CARD 2022 STATE ASSESSMENT
Table 6-B. Percentage of eighth-grade public school students, average scale score, and achievement-level results in NAEP mathematics, by National School Lunch Program eligibility status, year and jurisdiction: Various years, 1996–2022

Eligibility status, year, and jurisdiction		Percentage of students	Average scale score	PERCENT			
				Below <i>NAEP Basic</i>	At or above <i>NAEP Basic</i>	At or above <i>NAEP Proficient</i>	At <i>NAEP Advanced</i>
Eligible							
1996 ¹	Nation (public)	30*	252*	61*	39*	8*	1*
	Rhode Island	26*	250	62	38	8	#
2000 ¹	Nation (public)	28*	255*	56	44	10*	1*
	Rhode Island	28*	252	61	39	7	1
2000	Nation (public)	31*	253*	59*	41*	10*	1*
	Rhode Island	31*	247*	66	34	6*	1
2003	Nation (public)	36*	258	53	47	11*	1*
	Rhode Island	29*	253	59	41	8	1
2005	Nation (public)	39*	261*	49*	51*	13	1*
	Rhode Island	31*	252	61	39	7	1
2007	Nation (public)	41*	265*	45*	55*	15*	2
	Rhode Island	33*	257	55	45	10	1
2009	Nation (public)	43*	266*	43*	57*	17*	2
	Rhode Island	38*	261*	49*	51*	12	2
2011	Nation (public)	48*	269*	41*	59*	19*	2
	Rhode Island	41*	267*	42*	58*	16*	2
2013	Nation (public)	50	270*	39*	61*	20*	3*
	Rhode Island	44	266*	42*	58*	16*	1
2015	Nation (public)	52*	268*	42*	58*	18*	2
	Rhode Island	46	267*	41*	59*	15*	1
2017	Nation (public)	49	267*	45*	55*	18*	3*
	Rhode Island	47	260*	52*	48*	14*	2
2019	Nation (public)	50	266*	46*	54*	18*	3*
	Rhode Island	47	257	55	45	12	1
2022	Nation (public)	50	260	54	46	13	2
	Rhode Island	45	254	58	42	10	1

See notes at end of table.

THE NATION'S REPORT CARD 2022 STATE ASSESSMENT**Table 6-B. Percentage of eighth-grade public school students, average scale score, and achievement-level results in NAEP mathematics, by National School Lunch Program eligibility status, year and jurisdiction: Various years, 1996–2022—Continued**

Eligibility status, year, and jurisdiction		Percentage of students	Average scale score	PERCENT			
				Below <i>NAEP Basic</i>	At or above <i>NAEP Basic</i>	At or above <i>NAEP Proficient</i>	At <i>NAEP Advanced</i>
Not eligible							
1996 ¹	Nation (public)	56*	279*	29*	71*	29*	5*
	Rhode Island	70*	277*	30	70	26*	3*
2000 ¹	Nation (public)	55*	285	24	76	35	7*
	Rhode Island	66*	283	25	75	31	5*
2000	Nation (public)	54*	283*	26	74	34*	7*
	Rhode Island	64*	280	28	72	30*	5*
2003	Nation (public)	58*	287	22*	78*	37	7*
	Rhode Island	63*	284	23*	77*	33	5*
2005	Nation (public)	59*	288	21*	79*	39	8*
	Rhode Island	69*	282	25	75	31	4*
2007	Nation (public)	58*	291*	19*	81*	42*	10
	Rhode Island	67*	285	24	76	36	7
2009	Nation (public)	56*	293*	17*	83*	45*	12
	Rhode Island	62*	288*	21*	79*	37	8
2011	Nation (public)	52*	295*	16*	84*	47*	13*
	Rhode Island	58*	295*	16*	84*	46*	11
2013	Nation (public)	50	297*	14*	86*	49*	14*
	Rhode Island	56	298*	13*	87*	52*	14*
2015	Nation (public)	47*	296*	16*	84*	48*	13*
	Rhode Island	54	294*	16*	84*	46*	11
2017	Nation (public)	50	297*	17*	83*	48*	16*
	Rhode Island	53	293*	18*	82*	45*	10
2019	Nation (public)	49	296*	18*	82*	48*	16*
	Rhode Island	53	292*	20*	80*	45*	14*
2022	Nation (public)	49	287	25	75	38	11
	Rhode Island	55	283	29	71	35	10

See notes at end of table.

THE NATION'S REPORT CARD 2022 STATE ASSESSMENT

Table 6-B. Percentage of eighth-grade public school students, average scale score, and achievement-level results in NAEP mathematics, by National School Lunch Program eligibility status, year and jurisdiction: Various years, 1996–2022—Continued

Eligibility status, year, and jurisdiction		Percentage of students	Average scale score	PERCENT			
				Below <i>NAEP Basic</i>	At or above <i>NAEP Basic</i>	At or above <i>NAEP Proficient</i>	At <i>NAEP Advanced</i>
Information not available							
1996 ¹	Nation (public)	14*	278	31	69	29	5
	Rhode Island	4	249	66	34	10	1
2000 ¹	Nation (public)	16*	273	37	63	26	4
	Rhode Island	5	269	40	60	18	2
2000	Nation (public)	15*	271	38	62	24	4
	Rhode Island	5	262	49	51	17	2
2003	Nation (public)	6*	278	32	68	29	6
	Rhode Island	8	248	66	34	9	1
2005	Nation (public)	3*	277	34	66	28	6
	Rhode Island	#	‡	‡	‡	‡	‡
2007	Nation (public)	1	274	36	64	28	6
	Rhode Island	#	‡	‡	‡	‡	‡
2009	Nation (public)	1	284*	28*	72*	35	10
	Rhode Island	#	‡	‡	‡	‡	‡
2011	Nation (public)	#*	275	37	63	26	6
	Rhode Island	#	‡	‡	‡	‡	‡
2013	Nation (public)	1*	285	29	71	39	13
	Rhode Island	#	‡	‡	‡	‡	‡
2015	Nation (public)	1	293*	21*	79*	45*	17*
	Rhode Island	#	‡	‡	‡	‡	‡
2017	Nation (public)	1	293*	23*	77*	46*	17*
	Rhode Island	#	‡	‡	‡	‡	‡
2019	Nation (public)	1	286*	29*	71*	38*	15*
	Rhode Island	#	‡	‡	‡	‡	‡
2022	Nation (public)	2	274	39	61	26	7
	Rhode Island	#	‡	‡	‡	‡	‡

Rounds to zero.

‡ Reporting standards not met.

* Value is significantly different ($p < .05$) from the value for the same jurisdiction in 2022.

¹ Accommodations were not permitted for this assessment.

NOTE: The NAEP grade 8 mathematics scale ranges from 0 to 500. NAEP achievement levels correspond to the following points on the NAEP mathematics scales: below *NAEP Basic*, 261 or lower; *NAEP Basic*, 262-298; *NAEP Proficient*, 299-332; and *NAEP Advanced*, 333 or above. At or above *NAEP Basic* includes *NAEP Basic*, *NAEP Proficient*, and *NAEP Advanced*. At or above *NAEP Proficient* includes *NAEP Proficient* and *NAEP Advanced*. All differences were calculated and tested using unrounded numbers.

SOURCE: U.S. Department of Education, Institute of Education Sciences, National Center for Education Statistics, National Assessment of Educational Progress (NAEP), various years, 1996–2022 Mathematics Assessments.

Type of Location

NAEP results are reported for four mutually exclusive categories of school location: city, suburb, town, and rural. The categories are based on standard definitions established by the Federal Office of Management and Budget using population and geographic information from the U.S. Census Bureau. Schools are assigned to these categories in the NCES Common Core of Data based on their physical address.

In 2007, the classification system was revised; therefore, trend comparisons to previous years are not available. The new locale codes are based on an address's proximity to an urbanized area (a densely settled core with densely settled surrounding areas). The original system was based on metropolitan statistical areas. To distinguish the two systems, the new system is referred to as "urban-centric locale codes." The urban-centric locale code system classifies territory into four major types: city, suburban, town, and rural. Each type has three subcategories. For city and suburb, these are gradations of size—large, midsize, and small. Towns and rural areas are further distinguished by their distance from an urbanized area. They can be characterized as fringe, distant, or remote.

Tables 7-A and 7-B show percentage of students, average scale scores, and percentages by NAEP achievement level for public school students at grades 4 and 8 in Rhode Island and the nation, by type of location since 2007.

Grade 4 Average Scale Score Results by Type of Location

- In 2022, the average scale score of students in Rhode Island attending public schools in city locations was lower than the scores of students in suburban and rural schools.
- In 2022, students attending public schools in rural locations in Rhode Island had an average scale score that was higher than the average scale score of students in rural locations in the nation.
- In 2022, students attending public schools in city locations in Rhode Island had an average scale score that was lower than the average scale score of students in city locations in the nation.
- In 2022, students attending public schools in suburban locations in Rhode Island had an average scale score that was not significantly different from the average scale score of students in suburban locations in the nation.
- In 2022, students attending public schools in city locations in Rhode Island had an average scale score that was lower than the average scale score of students in city locations in 2011, 2013, and 2019 in Rhode Island, but not significantly different from the average scale score of students in city locations in 2007, 2009, 2015, and 2017 in Rhode Island.
- In 2022, students attending public schools in suburban locations in Rhode Island had an average scale score that was lower than the average scale score of students in suburban locations in 2009, 2011, 2013, and 2019 in Rhode Island, but not significantly different from the average scale score of students in suburban locations in 2007, 2015, and 2017 in Rhode Island.
- In 2022, students attending public schools in rural locations in Rhode Island had an average scale score that was lower than the average scale score of students in rural locations in 2011 and 2013 in Rhode Island, but not significantly different from the average scale score of students in rural locations in 2007, 2009, 2015, 2017, and 2019 in Rhode Island.

Grade 4 NAEP Achievement-Level Results by Type of Location

- In 2022, the percentage of students in Rhode Island's public schools in city locations who performed at or above *NAEP Proficient* was smaller than the corresponding percentages of students in suburban and rural schools.
- The percentage of students in Rhode Island's public schools in city locations who performed at or above *NAEP Proficient* in 2022 was smaller than that of students in city locations in the nation.
- The percentages of students in Rhode Island's public schools in suburban and rural locations who performed at or above *NAEP Proficient* in 2022 were not significantly different from those of students in suburban and rural locations in the nation.
- The percentages of students in Rhode Island's public schools in city and rural locations who performed at or above *NAEP Proficient* in 2022 were smaller than those of students in city and rural locations in 2011 and 2013 in Rhode Island, but not significantly different from those of students in city and rural locations in 2007, 2009, 2015, 2017, and 2019 in Rhode Island.
- The percentage of students in Rhode Island's public schools in suburban locations who performed at or above *NAEP Proficient* in 2022 was smaller than that of students in suburban locations in 2009, 2011, and 2013 in Rhode Island, but not significantly different from that of students in suburban locations in 2007, 2015, 2017, and 2019 in Rhode Island.

THE NATION'S REPORT CARD 2022 STATE ASSESSMENT

Table 7-A. Percentage of fourth-grade public school students, average scale score, and achievement-level results in NAEP mathematics, by type of location, year and jurisdiction: Various years, 2007–2022

Type of location, year, and jurisdiction		Percentage of students	Average scale score	PERCENT			
				Below <i>NAEP Basic</i>	At or above <i>NAEP Basic</i>	At or above <i>NAEP Proficient</i>	At <i>NAEP Advanced</i>
City							
2007	Nation (public)	29	233*	26*	74*	32*	5*
	Rhode Island	34*	228	30	70	23	1
2009	Nation (public)	30	234*	25*	75*	32*	5
	Rhode Island	31*	228	30	70	24	2
2011	Nation (public)	29	235*	24*	76*	33*	5
	Rhode Island	32*	231*	26*	74*	29*	3
2013	Nation (public)	30	236*	24*	76*	35*	7
	Rhode Island	31*	230*	28*	72*	28*	3
2015	Nation (public)	31*	236*	24*	76*	35*	7
	Rhode Island	24	226	32	68	20	2
2017	Nation (public)	30	234*	27*	73*	33*	7
	Rhode Island	25	226	33	67	25	4
2019	Nation (public)	30	235*	26*	74*	35*	7*
	Rhode Island	26	231*	28*	72*	28	4
2022	Nation (public)	29	229	34	66	29	6
	Rhode Island	26	223	38	62	20	3
Suburban							
2007	Nation (public)	37*	243*	15*	85*	44*	7*
	Rhode Island	52*	239	17*	83*	38	4*
2009	Nation (public)	36*	243*	16*	84*	44*	7*
	Rhode Island	56*	243*	16*	84*	45*	6
2011	Nation (public)	36*	244*	15*	85*	45*	8
	Rhode Island	54*	245*	12*	88*	47*	8
2013	Nation (public)	35*	244*	15*	85*	46*	9
	Rhode Island	57*	245*	14*	86*	46*	8
2015	Nation (public)	41	243*	16*	84*	44*	9
	Rhode Island	65	240	18*	82*	41	6
2017	Nation (public)	40	243*	18*	82*	45*	10
	Rhode Island	66	241	18*	82*	43	8
2019	Nation (public)	40	244*	16*	84*	46*	11*
	Rhode Island	64	241*	18*	82*	43	7
2022	Nation (public)	40	239	23	77	40	9
	Rhode Island	65	237	24	76	37	7

See notes at end of table.

THE NATION'S REPORT CARD 2022 STATE ASSESSMENT

Table 7-A. Percentage of fourth-grade public school students, average scale score, and achievement-level results in NAEP mathematics, by type of location, year and jurisdiction: Various years, 2007–2022—Continued

Type of location, year, and jurisdiction		Percentage of students	Average scale score	PERCENT			
				Below <i>NAEP Basic</i>	At or above <i>NAEP Basic</i>	At or above <i>NAEP Proficient</i>	At <i>NAEP Advanced</i>
Town							
2007	Nation (public)	12	238*	18*	82*	36*	4
	Rhode Island	4	243	11	89	45	4
2009	Nation (public)	12	237*	19*	81*	35*	4
	Rhode Island	3	243	11	89	43	4
2011	Nation (public)	13*	237*	19*	81*	35*	4
	Rhode Island	4	‡	‡	‡	‡	‡
2013	Nation (public)	11	240*	17*	83*	39*	6*
	Rhode Island	4	‡	‡	‡	‡	‡
2015	Nation (public)	11	237*	20*	80*	35*	5
	Rhode Island	#	‡	‡	‡	‡	‡
2017	Nation (public)	11	237*	21*	79*	36*	6*
	Rhode Island	#	‡	‡	‡	‡	‡
2019	Nation (public)	10	237*	21*	79*	37*	6*
	Rhode Island	#	‡	‡	‡	‡	‡
2022	Nation (public)	11	232	27	73	31	4
	Rhode Island	#	‡	‡	‡	‡	‡
Rural							
2007	Nation (public)	22*	240*	16*	84*	39	5*
	Rhode Island	9	248	9	91	51	7
2009	Nation (public)	22*	240*	16*	84*	39	5*
	Rhode Island	10	249	9	91	55	6
2011	Nation (public)	23*	243*	15*	85*	42*	6
	Rhode Island	10	254*	7	93	59*	12
2013	Nation (public)	25*	243*	14*	86*	44*	7
	Rhode Island	8	255*	5*	95*	62*	14
2015	Nation (public)	18*	241*	16*	84*	40	6
	Rhode Island	11	250	7	93	53	8
2017	Nation (public)	19	240*	18*	82*	41*	7
	Rhode Island	9	243	14	86	47	6
2019	Nation (public)	19	240*	18*	82*	40*	7
	Rhode Island	11	251	8	92	57	9
2022	Nation (public)	20	238	21	79	37	7
	Rhode Island	9	244	14	86	45	10

Rounds to zero.

‡ Reporting standards not met.

* Value is significantly different ($p < .05$) from the value for the same jurisdiction in 2022.

NOTE: The NAEP grade 4 mathematics scale ranges from 0 to 500. NAEP achievement levels correspond to the following points on the NAEP mathematics scales: below *NAEP Basic*, 213 or lower; *NAEP Basic*, 214–248; *NAEP Proficient*, 249–281; and *NAEP Advanced*, 282 or above. At or above *NAEP Basic* includes *NAEP Basic*, *NAEP Proficient*, and *NAEP Advanced*. At or above *NAEP Proficient* includes *NAEP Proficient* and *NAEP Advanced*. All differences were calculated and tested using unrounded numbers.

SOURCE: U.S. Department of Education, Institute of Education Sciences, National Center for Education Statistics, National Assessment of Educational Progress (NAEP), various years, 2007–2022 Mathematics Assessments.

Grade 8 Average Scale Score Results by Type of Location

- In 2022, the average scale score of students in Rhode Island attending public schools in city locations was lower than the scores of students in suburban and rural schools.
- In 2022, students attending public schools in rural locations in Rhode Island had an average scale score that was higher than the average scale score of students in rural locations in the nation.
- In 2022, students attending public schools in city and suburban locations in Rhode Island had average scale scores that were lower than the average scale scores of students in city and suburban locations in the nation.
- In 2022, students attending public schools in city locations in Rhode Island had an average scale score that was lower than the average scale score of students in city locations in 2007, 2009, 2011, 2013, 2015, and 2017 in Rhode Island, but not significantly different from the average scale score of students in city locations in 2019 in Rhode Island.
- In 2022, students attending public schools in suburban locations in Rhode Island had an average scale score that was lower than the average scale score of students in suburban locations in 2009, 2011, 2013, 2015, 2017, and 2019 in Rhode Island, but not significantly different from the average scale score of students in suburban locations in 2007 in Rhode Island.
- In 2022, students attending public schools in rural locations in Rhode Island had an average scale score that was lower than the average scale score of students in rural locations in 2011, 2013, 2015, 2017, and 2019 in Rhode Island, but not significantly different from the average scale score of students in rural locations in 2007 and 2009 in Rhode Island.

Grade 8 NAEP Achievement-Level Results by Type of Location

- In 2022, the percentage of students in Rhode Island's public schools in city locations who performed at or above *NAEP Proficient* was smaller than the corresponding percentages of students in suburban and rural schools.
- The percentage of students in Rhode Island's public schools in city locations who performed at or above *NAEP Proficient* in 2022 was smaller than that of students in city locations in the nation.
- The percentages of students in Rhode Island's public schools in suburban and rural locations who performed at or above *NAEP Proficient* in 2022 were not significantly different from those of students in suburban and rural locations in the nation.
- The percentage of students in Rhode Island's public schools in city locations who performed at or above *NAEP Proficient* in 2022 was smaller than that of students in city locations in 2007, 2009, 2011, 2013, and 2015 in Rhode Island, but not significantly different from that of students in city locations in 2017 and 2019 in Rhode Island.
- The percentage of students in Rhode Island's public schools in suburban locations who performed at or above *NAEP Proficient* in 2022 was smaller than that of students in suburban locations in 2011, 2013, 2015, 2017, and 2019 in Rhode Island, but not significantly different from that of students in suburban locations in 2007 and 2009 in Rhode Island.
- The percentage of students in Rhode Island's public schools in rural locations who performed at or above *NAEP Proficient* in 2022 was smaller than that of students in rural locations in 2011, 2013, 2015, and 2017 in Rhode Island, but not significantly different from that of students in rural locations in 2007, 2009, and 2019 in Rhode Island.

THE NATION'S REPORT CARD 2022 STATE ASSESSMENT

Table 7-B. Percentage of eighth-grade public school students, average scale score, and achievement-level results in NAEP mathematics, by type of location, year and jurisdiction: Various years, 2007–2022

Type of location, year, and jurisdiction		Percentage of students	Average scale score	PERCENT			
				Below <i>NAEP Basic</i>	At or above <i>NAEP Basic</i>	At or above <i>NAEP Proficient</i>	At <i>NAEP Advanced</i>
City							
2007	Nation (public)	28	273*	38*	62*	25*	5*
	Rhode Island	31*	264*	45*	55*	17*	2
2009	Nation (public)	27*	276*	36*	64*	28*	6
	Rhode Island	31*	268*	42*	58*	18*	4
2011	Nation (public)	29	277*	34*	66*	29*	7
	Rhode Island	30*	270*	39*	61*	22*	3
2013	Nation (public)	28	278*	34*	66*	29*	7
	Rhode Island	31*	274*	35*	65*	27*	5*
2015	Nation (public)	29	276*	35*	65*	28*	7
	Rhode Island	25	267*	42*	58*	18*	2
2017	Nation (public)	29	277*	37*	63*	29*	9*
	Rhode Island	20*	259*	54	46	15	3
2019	Nation (public)	29	276*	38*	62*	28*	9*
	Rhode Island	24*	258	53	47	17	4
2022	Nation (public)	29	268	45	55	22	6
	Rhode Island	25	254	58	42	11	2
Suburban							
2007	Nation (public)	36*	285*	26*	74*	36*	9
	Rhode Island	46*	278	34	66	31	7
2009	Nation (public)	36*	286*	25*	75*	37*	10
	Rhode Island	46*	281*	30*	70*	31	7
2011	Nation (public)	36*	286*	25*	75*	37*	9
	Rhode Island	52*	287*	23*	77*	37*	9
2013	Nation (public)	35*	288*	24*	76*	39*	10*
	Rhode Island	50*	287*	24*	76*	39*	10*
2015	Nation (public)	41	285*	26*	74*	37*	10*
	Rhode Island	62*	285*	25*	75*	35*	8
2017	Nation (public)	41	287*	27*	73*	39*	12*
	Rhode Island	67*	280*	31*	69*	32*	7
2019	Nation (public)	40	286*	28*	72*	38*	12*
	Rhode Island	65*	280*	32*	68*	32*	9
2022	Nation (public)	39	278	36	64	30	9
	Rhode Island	63	275	38	62	27	7

See notes at end of table.

THE NATION'S REPORT CARD 2022 STATE ASSESSMENT

Table 7-B. Percentage of eighth-grade public school students, average scale score, and achievement-level results in NAEP mathematics, by type of location, year and jurisdiction: Various years, 2007–2022—Continued

Type of location, year, and jurisdiction		Percentage of students	Average scale score	PERCENT			
				Below <i>NAEP Basic</i>	At or above <i>NAEP Basic</i>	At or above <i>NAEP Proficient</i>	At <i>NAEP Advanced</i>
Town							
2007	Nation (public)	13*	280*	29*	71*	29*	5*
	Rhode Island	2	‡	‡	‡	‡	‡
2009	Nation (public)	14*	279*	30*	70*	29*	5*
	Rhode Island	3	287	22	78	36	4
2011	Nation (public)	13	281*	28*	72*	31*	6*
	Rhode Island	#	‡	‡	‡	‡	‡
2013	Nation (public)	13	281*	28*	72*	32*	6*
	Rhode Island	2	288	18	82	38	5
2015	Nation (public)	12	279*	30*	70*	28*	5*
	Rhode Island	#	‡	‡	‡	‡	‡
2017	Nation (public)	11	278*	33*	67*	28*	6*
	Rhode Island	#	‡	‡	‡	‡	‡
2019	Nation (public)	12	276*	35*	65*	28*	6*
	Rhode Island	#	‡	‡	‡	‡	‡
2022	Nation (public)	12	268	43	57	20	4
	Rhode Island	#	‡	‡	‡	‡	‡
Rural							
2007	Nation (public)	22*	282*	26*	74*	32*	6*
	Rhode Island	20*	287	21*	79*	36	6
2009	Nation (public)	23*	284*	25*	75*	33*	7*
	Rhode Island	21*	285	21*	79*	34	6
2011	Nation (public)	23*	286*	23*	77*	35*	7*
	Rhode Island	18*	293*	15*	85*	44*	9
2013	Nation (public)	24*	286*	24*	76*	36*	8*
	Rhode Island	16*	293*	16*	84*	45*	10
2015	Nation (public)	19	282*	27*	73*	31*	6*
	Rhode Island	13*	294*	14*	86*	46*	9
2017	Nation (public)	19	282*	29*	71*	32*	8*
	Rhode Island	13*	292*	18*	82*	45*	10
2019	Nation (public)	19	282*	29*	71*	33*	8*
	Rhode Island	12	289*	22	78	42	11
2022	Nation (public)	20	274	37	63	25	5
	Rhode Island	12	280	31	69	32	8

Rounds to zero.

‡ Reporting standards not met.

* Value is significantly different ($p < .05$) from the value for the same jurisdiction in 2022.

NOTE: The NAEP grade 8 mathematics scale ranges from 0 to 500. NAEP achievement levels correspond to the following points on the NAEP mathematics scales: below *NAEP Basic*, 261 or lower; *NAEP Basic*, 262-298; *NAEP Proficient*, 299-332; and *NAEP Advanced*, 333 or above. At or above *NAEP Basic* includes *NAEP Basic*, *NAEP Proficient*, and *NAEP Advanced*. At or above *NAEP Proficient* includes *NAEP Proficient* and *NAEP Advanced*. All differences were calculated and tested using unrounded numbers.

SOURCE: U.S. Department of Education, Institute of Education Sciences, National Center for Education Statistics, National Assessment of Educational Progress (NAEP), various years, 2007–2022 Mathematics Assessments.

Parents' Highest Level of Education

Parents' highest level of education is defined by the highest level reported by eighth-graders for either parent. Fourth-graders were not asked to indicate their parents' highest level of education because their responses in previous studies were not reliable, and a large percentage of them chose the "I don't know" option. Parental education attainment is one component used to measure students' socioeconomic status (SES).

The results by highest level of parental education are shown in Table 8.

Grade 8 Average Scale Score Results by Parents' Highest Level of Education

- In 2022, students in Rhode Island who reported that a parent had graduated from college had an average scale score that was higher than the average scores of students with a parent in any of the following education categories: did not finish high school, graduated from high school, and some education after high school.
- In 2022, the average scale score for students in Rhode Island who reported that a parent had graduated from college was lower than the score of students in the nation.
- In 2022, the average scale scores for students in Rhode Island who reported that a parent had not finished high school, had graduated from high school, or had some education after high school were not significantly different from the corresponding scores of students in the nation.
- In 2022, the average scale score for students in Rhode Island who reported that a parent had not finished high school was higher than the score of students in 1990, 1992, 2000, and 2003, but was not significantly different from the score of students in 1996, 2005, 2007, 2009, 2011, 2013, 2015, 2017, and 2019.
- In 2022, the average scale score for students in Rhode Island who reported that a parent had graduated from high school was lower than the score of students in 2003, 2009, 2011, 2013, and 2015, but was not significantly different from the score of students in 1990, 1992, 1996, 2000, 2005, 2007, 2017, and 2019.
- In 2022, the average scale score for students in Rhode Island who reported that a parent had some education after high school was lower than the score of students in 2007, 2009, 2011, 2013, and 2015, but was not significantly different from the score of students in 1990, 1992, 1996, 2000, 2003, 2005, 2017, and 2019.
- In 2022, the average scale score for students in Rhode Island who reported that a parent had graduated from college was higher than the score of students in 1990 and 1992, but was lower than the score of students in 2007, 2009, 2011, 2013, 2015, 2017, and 2019, and was not significantly different from the score of students in 1996, 2000, 2003, and 2005.

Grade 8 NAEP Achievement-Level Results Parents' Highest Level of Education

- In 2022, the percentage of students performing at or above *NAEP Proficient* in Rhode Island who reported that a parent had graduated from college was greater than the percentage for students whose parents' highest level of education was in any of the following education categories: did not finish high school, graduated from high school, and some education after high school.
- In 2022, the percentages of students in Rhode Island reporting that a parent had not finished high school, had graduated from high school, had some education after high school, or had graduated from college and who performed at or above *NAEP Proficient* were not significantly different from the corresponding percentages of students in the nation.
- In 2022 in Rhode Island, the percentage of students reporting that a parent had not finished high school and who performed at or above *NAEP Proficient* was greater than the percentage of students in 1990, but was not significantly different from the percentage of students in 1992, 1996, 2000, 2003, 2005, 2007, 2009, 2011, 2013, 2015, 2017, and 2019.
- In 2022 in Rhode Island, the percentage of students reporting that a parent had graduated from high school and who performed at or above *NAEP Proficient* was not significantly different from the percentage of students in 1990, 1992, 1996, 2000, 2003, 2005, 2007, 2009, 2011, 2013, 2015, 2017, and 2019.
- In 2022 in Rhode Island, the percentage of students reporting that a parent had some education after high school and who performed at or above *NAEP Proficient* was smaller than the percentage of students in 2011, 2013, and 2015, but was not significantly different from the percentage of students in 1990, 1992, 1996, 2000, 2003, 2005, 2007, 2009, 2017, and 2019.
- In 2022 in Rhode Island, the percentage of students reporting that a parent had graduated from college and who performed at or above *NAEP Proficient* was greater than the percentage of students in 1990 and 1992, but was smaller than the percentage of students in 2007, 2011, 2013, 2015, 2017, and 2019, and was not significantly different from the percentage of students in 1996, 2000, 2003, 2005, and 2009.

THE NATION'S REPORT CARD 2022 STATE ASSESSMENT
Table 8. Percentage of eighth-grade public school students, average scale score, and achievement-level results in NAEP mathematics, by highest parental education level, year and jurisdiction: Various years, 1990–2022

Highest parental education level, year, and jurisdiction		Percentage of students	Average scale score	PERCENT			
				Below <i>NAEP Basic</i>	At or above <i>NAEP Basic</i>	At or above <i>NAEP Proficient</i>	At <i>NAEP Advanced</i>
Did not finish high school							
1990 ¹	Nation (public)	10*	241*	76*	24*	3*	#
	Rhode Island	8	240*	75*	25*	4*	#
1992 ¹	Nation (public)	8*	249*	66	34	6	1
	Rhode Island	8	245*	71*	29*	6	#
1996 ¹	Nation (public)	8	254	56	44	8	1
	Rhode Island	8	249	65	35	5	#
2000 ¹	Nation (public)	7	255	55	45	8	1
	Rhode Island	6	251	63	37	6	1
2000	Nation (public)	8*	253	57	43	7	#
	Rhode Island	6	245*	71*	29*	5	1
2003	Nation (public)	7	256	56	44	9	1
	Rhode Island	6	249*	65	35	7	1
2005	Nation (public)	8*	259*	52*	48*	11	1
	Rhode Island	7	255	57	43	6	1
2007	Nation (public)	8*	263*	48*	52*	12	1
	Rhode Island	7	255	55	45	8	#
2009	Nation (public)	8*	265*	45*	55*	14*	1
	Rhode Island	6	257	56	44	8	1
2011	Nation (public)	8*	265*	44*	56*	15*	2
	Rhode Island	7	263	45	55	12	#
2013	Nation (public)	8*	267*	42*	58*	16*	2
	Rhode Island	8	264	47	53	16	1
2015	Nation (public)	8*	265*	44*	56*	14*	1
	Rhode Island	8	268	40	60	15	2
2017	Nation (public)	7	265*	48*	52*	16*	2
	Rhode Island	7	257	58	42	12	1
2019	Nation (public)	7	264*	48*	52*	15*	2*
	Rhode Island	7	258	54	46	12	2
2022	Nation (public)	7	256	57	43	10	1
	Rhode Island	7	261	50	50	14	3

See notes at end of table.

THE NATION'S REPORT CARD 2022 STATE ASSESSMENT**Table 8. Percentage of eighth-grade public school students, average scale score, and achievement-level results in NAEP mathematics, by highest parental education level, year and jurisdiction: Various years, 1990–2022—Continued**

Highest parental education level, year, and jurisdiction		Percentage of students	Average scale score	PERCENT			
				Below <i>NAEP Basic</i>	At or above <i>NAEP Basic</i>	At or above <i>NAEP Proficient</i>	At <i>NAEP Advanced</i>
Graduated from high school							
1990 ¹	Nation (public)	25*	255	59	41	8*	#
	Rhode Island	26*	252	61	39	7	#
1992 ¹	Nation (public)	25*	257	55	45	10	1
	Rhode Island	22*	257	55	45	6	#
1996 ¹	Nation (public)	23*	260	50	50	12	1
	Rhode Island	22*	258	52	48	11	1
2000 ¹	Nation (public)	21*	263*	47*	53*	16*	1
	Rhode Island	15	264*	48	52	14	1
2000	Nation (public)	21*	260	49*	51*	15*	1
	Rhode Island	17*	259	52	48	12	2
2003	Nation (public)	18*	267*	42*	58*	16*	2
	Rhode Island	13	264*	45*	55*	12	1
2005	Nation (public)	18*	267*	42*	58*	17*	2
	Rhode Island	16	263	47	53	12	1
2007	Nation (public)	18*	270*	40*	60*	19*	2*
	Rhode Island	14	259	52	48	12	1
2009	Nation (public)	17*	270*	38*	62*	19*	2*
	Rhode Island	16	268*	41*	59*	16	2
2011	Nation (public)	17*	271*	38*	62*	20*	2*
	Rhode Island	15	269*	40*	60*	19	2
2013	Nation (public)	17*	270*	39*	61*	19*	2*
	Rhode Island	15	269*	39*	61*	19	2
2015	Nation (public)	16*	268*	42*	58*	17*	2*
	Rhode Island	15	269*	40*	60*	16	2
2017	Nation (public)	15	266*	45*	55*	17*	3*
	Rhode Island	15	263	47	53	13	1
2019	Nation (public)	15*	265*	46*	54*	17*	3*
	Rhode Island	14	261	50	50	14	2
2022	Nation (public)	15	258	55	45	12	1
	Rhode Island	13	256	58	42	12	2

See notes at end of table.

THE NATION'S REPORT CARD 2022 STATE ASSESSMENT
Table 8. Percentage of eighth-grade public school students, average scale score, and achievement-level results in NAEP mathematics, by highest parental education level, year and jurisdiction: Various years, 1990–2022—Continued

Highest parental education level, year, and jurisdiction		Percentage of students	Average scale score	PERCENT			
				Below <i>NAEP Basic</i>	At or above <i>NAEP Basic</i>	At or above <i>NAEP Proficient</i>	At <i>NAEP Advanced</i>
Some education after high school							
1990 ¹	Nation (public)	17*	267*	43	57	15*	3
	Rhode Island	15	266	42	58	15	1
1992 ¹	Nation (public)	18*	270	40	60	20	3
	Rhode Island	18	272	34	66	15	1
1996 ¹	Nation (public)	19*	279*	29*	71*	26	4
	Rhode Island	17	274	33	67	19	1
2000 ¹	Nation (public)	18*	279*	28*	72*	27*	3
	Rhode Island	17	275*	33	67	22	2
2000	Nation (public)	18*	277*	30*	70*	26*	3
	Rhode Island	17	271	37	63	19	2
2003	Nation (public)	18*	280*	27*	73*	28*	4
	Rhode Island	16	271	37	63	20	2
2005	Nation (public)	18*	280*	27*	73*	28*	4*
	Rhode Island	16	276	31	69	24	3
2007	Nation (public)	17*	283*	24*	76*	32*	5*
	Rhode Island	17	276*	31	69	25	3
2009	Nation (public)	17*	283*	24*	76*	32*	5*
	Rhode Island	15	279*	28*	72*	27	3
2011	Nation (public)	16*	285*	22*	78*	33*	5*
	Rhode Island	14	281*	23*	77*	30*	4
2013	Nation (public)	15*	285*	22*	78*	33*	6*
	Rhode Island	13	284*	23*	77*	32*	6
2015	Nation (public)	15*	282*	25*	75*	30*	5*
	Rhode Island	12*	285*	21*	79*	32*	4
2017	Nation (public)	14*	281*	29*	71*	30*	6*
	Rhode Island	13	272	38	62	22	2
2019	Nation (public)	14*	279*	30*	70*	29*	6*
	Rhode Island	14	270	39	61	23	4
2022	Nation (public)	13	271	39	61	20	3
	Rhode Island	15	269	41	59	18	2

See notes at end of table.

THE NATION'S REPORT CARD 2022 STATE ASSESSMENT**Table 8. Percentage of eighth-grade public school students, average scale score, and achievement-level results in NAEP mathematics, by highest parental education level, year and jurisdiction: Various years, 1990–2022—Continued**

Highest parental education level, year, and jurisdiction		Percentage of students	Average scale score	PERCENT			
				Below <i>NAEP Basic</i>	At or above <i>NAEP Basic</i>	At or above <i>NAEP Proficient</i>	At <i>NAEP Advanced</i>
Graduated from college							
1990 ¹	Nation (public)	39*	274*	34*	66*	25*	4*
	Rhode Island	41*	274*	36	64	24*	3*
1992 ¹	Nation (public)	40*	279*	30	70	31*	5*
	Rhode Island	43*	277*	30	70	25*	3*
1996 ¹	Nation (public)	40*	281	28	72	34	7*
	Rhode Island	40*	282	26	74	33	5*
2000 ¹	Nation (public)	43*	286	24*	76*	39	9
	Rhode Island	47	284	24*	76*	34	7
2000	Nation (public)	41*	285	25	75	38	9
	Rhode Island	45*	283	26	74	33	7
2003	Nation (public)	45*	287	23*	77*	39*	8*
	Rhode Island	48	284	24*	76*	35	5*
2005	Nation (public)	45*	289*	22*	78*	41*	10*
	Rhode Island	47	284	24*	76*	35	6*
2007	Nation (public)	46*	291*	20*	80*	43*	11
	Rhode Island	48	288*	22*	78*	41*	8
2009	Nation (public)	46*	294*	18*	82*	46*	13*
	Rhode Island	50	289*	21*	79*	39	9
2011	Nation (public)	47*	294*	18*	82*	46*	13*
	Rhode Island	51	296*	15*	85*	48*	13
2013	Nation (public)	49*	295*	17*	83*	47*	14*
	Rhode Island	53	297*	15*	85*	50*	13
2015	Nation (public)	49*	293*	19*	81*	45*	13*
	Rhode Island	53	293*	17*	83*	45*	10
2017	Nation (public)	53*	294*	21*	79*	45*	16*
	Rhode Island	54	290*	22*	78*	43*	11
2019	Nation (public)	52*	293*	22*	78*	45*	15*
	Rhode Island	53	290*	23*	77*	43*	13
2022	Nation (public)	51	285	28	72	37	11
	Rhode Island	51	281	31	69	33	10

See notes at end of table.

THE NATION'S REPORT CARD 2022 STATE ASSESSMENT

Table 8. Percentage of eighth-grade public school students, average scale score, and achievement-level results in NAEP mathematics, by highest parental education level, year and jurisdiction: Various years, 1990–2022—Continued

Highest parental education level, year, and jurisdiction		Percentage of students	Average scale score	PERCENT			
				Below <i>NAEP Basic</i>	At or above <i>NAEP Basic</i>	At or above <i>NAEP Proficient</i>	At <i>NAEP Advanced</i>
Unknown							
1990 ¹	Nation (public)	9*	240*	71*	29*	5*	#
	Rhode Island	10*	236*	80*	20*	4*	#
1992 ¹	Nation (public)	9*	251*	62	38	9	#
	Rhode Island	8*	240*	75*	25*	2	#
1996 ¹	Nation (public)	11*	253	59	41	10	1*
	Rhode Island	13	253	58	42	9	1
2000 ¹	Nation (public)	11*	255	55	45	11	1
	Rhode Island	15	257	52	48	11	1
2000	Nation (public)	12*	253	59	41	9*	1*
	Rhode Island	15	250	61	39	9	1
2003	Nation (public)	11*	258	53*	47*	12	1*
	Rhode Island	17	256	56	44	11	1
2005	Nation (public)	11*	260*	51*	49*	13	1
	Rhode Island	15	253	60	40	8	1
2007	Nation (public)	12*	263*	48*	52*	15*	2
	Rhode Island	14	258	53	47	12	2
2009	Nation (public)	12*	264*	47*	53*	16*	2
	Rhode Island	12	257	55	45	10	2
2011	Nation (public)	12*	265*	46*	54*	16*	2
	Rhode Island	12	261*	51	49	12	1
2013	Nation (public)	12*	266*	45*	55*	17*	2
	Rhode Island	11*	263*	44*	56*	16	2
2015	Nation (public)	12*	263*	49*	51*	15*	2
	Rhode Island	13	258	52	48	11	1
2017	Nation (public)	11*	263*	50*	50*	16*	3*
	Rhode Island	11*	256	55	45	14	2
2019	Nation (public)	13*	263*	50*	50*	16*	3*
	Rhode Island	13	253	60	40	10	1
2022	Nation (public)	14	257	57	43	12	2
	Rhode Island	14	251	61	39	11	2

Rounds to zero.

* Value is significantly different ($p < .05$) from the value for the same jurisdiction in 2022.

¹ Accommodations were not permitted for this assessment.

NOTE: The NAEP grade 8 mathematics scale ranges from 0 to 500. NAEP achievement levels correspond to the following points on the NAEP mathematics scales: below *NAEP Basic*, 261 or lower; *NAEP Basic*, 262-298; *NAEP Proficient*, 299-332; and *NAEP Advanced*, 333 or above. At or above *NAEP Basic* includes *NAEP Basic*, *NAEP Proficient*, and *NAEP Advanced*. At or above *NAEP Proficient* includes *NAEP Proficient* and *NAEP Advanced*. All differences were calculated and tested using unrounded numbers.

SOURCE: U.S. Department of Education, Institute of Education Sciences, National Center for Education Statistics, National Assessment of Educational Progress (NAEP), various years, 1990–2022 Mathematics Assessments.

A More Inclusive NAEP: Students With Disabilities and/or English Learners

It is important for NAEP to assess as many students selected to participate as possible. Assessing representative samples of students, including students with disabilities (SD) and English learners (EL), helps to ensure that NAEP results accurately reflect the educational performance of all students in the target population, and can continue to serve as a meaningful measure of U.S. students' academic achievement over time.

In March 2010, the National Center for Education Statistics (NCES), working with the National Assessment Governing Board, adopted a new policy to maximize the participation of students with disabilities (SD) and English learners (EL).

Today, NAEP continues to explore ways to ensure consistent, inclusive assessment and reporting across all jurisdictions and student populations.

Tables 9-A and 9-B display data for grades 4 and 8 students in Rhode Island who were identified as SD and/or EL, by whether they were excluded, assessed with accommodations, or assessed under standard conditions, as a percent of all grades 4 and 8 students in the state.

Tables 10-A and 10-B show the percentages of students assessed in Rhode Island by disability status and their performance on the NAEP assessment in terms of average scale scores and percentages performing below *NAEP Basic*, at or above *NAEP Basic*, at or above *NAEP Proficient*, and at *NAEP Advanced* for grades 4 and 8.

Tables 11-A and 11-B present the percentages of students assessed in Rhode Island by EL status, their average scale scores, and their performance in terms of the percentages below *NAEP Basic*, at or above *NAEP Basic*, at or above *NAEP Proficient*, and at *NAEP Advanced* for grades 4 and 8.

Tables 12-A and 12-B present the total number of grades 4 and 8 students assessed in each of the participating states and the percentage of students sampled who were excluded.

THE NATION'S REPORT CARD 2022 STATE ASSESSMENT

Table 9-A. Percentage of fourth-grade public school students identified as students with disabilities (SD) and/or English learners (EL) excluded and assessed in NAEP mathematics as a percentage of all students, by assessment year and testing status: Various years, 1992–2022

Year and testing status	SD and/or EL		SD		EL		
	Rhode Island	Nation (public)	Rhode Island	Nation (public)	Rhode Island	Nation (public)	
1992 ¹	Identified	15	10	10	7	6	3
	Excluded	6	7	4	5	3	2
	Assessed without accommodations	10	4	7	3	3	1
1996 ¹	Identified	18	16	13	12	5	4
	Excluded	6	6	5	5	2	2
	Assessed without accommodations	12	9	8	7	4	2
2000 ¹	Identified	23	16	16	12	7	6
	Excluded	12	7	9	6	3	2
	Assessed without accommodations	11	9	7	6	4	3
2000	Identified	23	19	16	13	7	7
	Excluded	3	4	2	3	1	1
	Assessed without accommodations	10	10	6	5	4	5
2003	Assessed with accommodations	10	5	8	4	2	1
	Identified	27	22	20	14	10	11
	Excluded	3	4	2	3	2	1
2005	Assessed without accommodations	9	10	5	4	4	7
	Assessed with accommodations	15	8	13	7	3	2
	Identified	26	23	20	14	7	10
2007	Excluded	3	3	2	3	1	1
	Assessed without accommodations	8	10	6	4	2	7
	Assessed with accommodations	15	10	12	8	4	3
2009	Identified	25	23	19	14	7	11
	Excluded	2	3	2	3	1	1
	Assessed without accommodations	7	10	5	3	3	7
2011	Assessed with accommodations	16	10	12	8	4	3
	Identified	22	23	17	13	6	10
	Excluded	2	2	2	2	1	1
2013	Assessed without accommodations	5	9	3	3	2	6
	Assessed with accommodations	15	11	13	8	3	4
	Identified	19	23	14	13	6	11
2015	Excluded	1	2	1	2	#	#
	Assessed without accommodations	5	9	1	3	4	6
	Assessed with accommodations	13	12	12	9	2	4
2017	Identified	19	23	14	14	7	11
	Excluded	1	2	1	1	#	#
	Assessed without accommodations	3	7	1	2	2	5
2019	Assessed with accommodations	15	14	12	10	4	5
	Identified	20	24	14	14	8	12
	Excluded	2	2	1	1	1	1
2021	Assessed without accommodations	5	8	1	3	4	6
	Assessed with accommodations	13	14	11	11	3	5
	Identified	21	25	14	15	9	12
2022	Excluded	2	2	1	2	1	1
	Assessed without accommodations	4	10	1	4	3	7
	Assessed with accommodations	15	13	12	9	4	5
2022	Identified	27	27	16	16	13	13
	Excluded	2	2	1	2	1	1
	Assessed without accommodations	7	10	1	3	5	7
2022	Assessed with accommodations	19	15	14	11	7	6
	Identified	28	29	15	16	14	15
	Excluded	2	2	1	1	1	1
2022	Assessed without accommodations	9	12	1	4	8	8
	Assessed with accommodations	17	15	13	11	6	5

Rounds to zero.

¹ Accommodations were not permitted for this assessment.

NOTE: Students identified as both SD and EL were counted only once under the combined SD and/or EL category, but were counted separately under the SD and EL categories. Detail may not sum to totals because of rounding.

SOURCE: U.S. Department of Education, Institute of Education Sciences, National Center for Education Statistics, National Assessment of Educational Progress (NAEP), various years, 1992–2022 Mathematics Assessments.

THE NATION'S REPORT CARD 2022 STATE ASSESSMENT**Table 9-B. Percentage of eighth-grade public school students identified as students with disabilities (SD) and/or English learners (EL) excluded and assessed in NAEP mathematics as a percentage of all students, by assessment year and testing status: Various years, 1990–2022**

Year and testing status	SD and/or EL		SD		EL		
	Rhode Island	Nation (public)	Rhode Island	Nation (public)	Rhode Island	Nation (public)	
1990 ¹	Identified	14	—	11	—	4	—
	Excluded	6	—	5	—	2	—
	Assessed without accommodations	8	—	6	—	2	—
1992 ¹	Identified	14	10	10	8	4	2
	Excluded	5	6	4	5	2	2
	Assessed without accommodations	8	4	7	3	2	1
1996 ¹	Identified	17	11	13	9	4	3
	Excluded	7	5	5	4	2	1
	Assessed without accommodations	10	7	7	5	2	2
2000 ¹	Identified	20	15	16	12	4	4
	Excluded	12	7	9	6	3	2
	Assessed without accommodations	8	8	7	6	1	3
2000	Identified	20	14	16	11	4	4
	Excluded	3	4	3	3	1	1
	Assessed without accommodations	12	7	10	5	2	3
	Assessed with accommodations	4	3	4	2	1	1
2003	Identified	23	19	20	14	5	6
	Excluded	4	4	3	3	2	1
	Assessed without accommodations	7	8	5	5	2	4
	Assessed with accommodations	13	7	12	6	2	1
2005	Identified	21	19	17	13	5	6
	Excluded	3	4	3	3	1	1
	Assessed without accommodations	7	7	6	3	2	4
	Assessed with accommodations	11	8	9	7	2	1
2007	Identified	20	18	17	13	4	7
	Excluded	3	4	2	4	1	1
	Assessed without accommodations	5	6	3	2	2	4
	Assessed with accommodations	12	8	12	6	1	2
2009	Identified	21	18	18	13	3	6
	Excluded	2	3	2	3	1	#
	Assessed without accommodations	4	5	3	2	1	3
	Assessed with accommodations	14	10	13	8	2	2
2011	Identified	19	18	16	13	3	6
	Excluded	1	3	1	2	#	#
	Assessed without accommodations	4	5	3	2	1	3
	Assessed with accommodations	13	10	12	9	2	2
2013	Identified	19	17	15	13	5	6
	Excluded	1	2	1	1	#	#
	Assessed without accommodations	2	3	1	1	1	2
	Assessed with accommodations	16	12	13	10	4	3
2015	Identified	20	19	16	13	5	7
	Excluded	2	2	1	1	1	#
	Assessed without accommodations	4	5	2	1	2	3
2017	Assessed with accommodations	14	13	13	11	3	3
	Identified	21	20	16	14	6	7
	Excluded	2	2	2	1	1	1
	Assessed without accommodations	4	6	3	3	1	3
2019	Assessed with accommodations	15	12	12	10	4	3
	Identified	22	21	15	15	8	8
	Excluded	1	2	1	1	1	1
	Assessed without accommodations	5	6	2	2	3	4
2022	Assessed with accommodations	15	13	12	11	4	3
	Identified	25	24	16	15	11	10
	Excluded	2	2	1	1	1	1
	Assessed without accommodations	7	8	2	2	5	6
Assessed with accommodations	17	14	13	12	5	4	

— Not available.

Rounds to zero.

¹ Accommodations were not permitted for this assessment.

NOTE: Students identified as both SD and EL were counted only once under the combined SD and/or EL category, but were counted separately under the SD and EL categories. Detail may not sum to totals because of rounding.

SOURCE: U.S. Department of Education, Institute of Education Sciences, National Center for Education Statistics, National Assessment of Educational Progress (NAEP), various years, 1990–2022 Mathematics Assessments.

THE NATION'S REPORT CARD 2022 STATE ASSESSMENT

Table 10-A. Percentage of fourth-grade public school students, average scale score, and achievement-level results in NAEP mathematics, by students with disabilities (SD) status, year and jurisdiction: Various years, 2000–2022

SD status, year, and jurisdiction		Percentage of students	Average scale score	PERCENT			
				Below <i>NAEP Basic</i>	At or above <i>NAEP Basic</i>	At or above <i>NAEP Proficient</i>	At <i>NAEP Advanced</i>
SD							
2000 ¹	Nation (public)	‡	‡	‡	‡	‡	‡
	Rhode Island	‡	‡	‡	‡	‡	‡
2000	Nation (public)	10*	198*	71*	29*	6*	1*
	Rhode Island	15	210	54	46	12	#
2003	Nation (public)	11*	214*	50*	50*	12*	1*
	Rhode Island	19*	210	56	44	9	1
2005	Nation (public)	12*	218*	44*	56*	16	2*
	Rhode Island	18*	215*	48*	52*	11	1
2007	Nation (public)	11*	220*	40*	60*	19*	2
	Rhode Island	17*	216*	45*	55*	15*	1
2009	Nation (public)	12*	220*	41*	59*	19*	2
	Rhode Island	16	214*	49*	51*	13	1
2011	Nation (public)	12*	218*	45*	55*	17*	2
	Rhode Island	13	212	51*	49*	13	1
2013	Nation (public)	13*	218*	45*	55*	18*	2
	Rhode Island	13	210	54	46	10	1
2015	Nation (public)	13*	217*	46*	54*	16	2
	Rhode Island	13	209	56	44	9	2
2017	Nation (public)	13*	214*	52	48	16	2
	Rhode Island	14	203	64	36	11	1
2019	Nation (public)	14*	214*	51*	49*	16	3
	Rhode Island	15	209	58	42	10	1
2022	Nation (public)	15	211	54	46	15	2
	Rhode Island	14	206	62	38	8	1

See notes at end of table.

THE NATION'S REPORT CARD 2022 STATE ASSESSMENT**Table 10-A. Percentage of fourth-grade public school students, average scale score, and achievement-level results in NAEP mathematics, by students with disabilities (SD) status, year and jurisdiction: Various years, 2000–2022—Continued**

SD status, year, and jurisdiction		Percentage of students	Average scale score	PERCENT			
				Below <i>NAEP Basic</i>	At or above <i>NAEP Basic</i>	At or above <i>NAEP Proficient</i>	At <i>NAEP Advanced</i>
Not SD							
2000 ¹	Nation (public)	‡	‡	‡	‡	‡	‡
	Rhode Island	‡	‡	‡	‡	‡	‡
2000	Nation (public)	90*	227*	33*	67*	24*	3*
	Rhode Island	85	226*	31*	69*	24*	2*
2003	Nation (public)	89*	236*	21	79	34*	4*
	Rhode Island	81*	235*	22	78	33*	3*
2005	Nation (public)	88*	240	17*	83*	38	5*
	Rhode Island	82*	238	18	82	35	4*
2007	Nation (public)	89*	241*	16*	84*	41*	6*
	Rhode Island	83*	240	15*	85*	38	4*
2009	Nation (public)	88*	242*	16*	84*	41*	6*
	Rhode Island	84	243*	13*	87*	44*	6
2011	Nation (public)	88*	243*	15*	85*	43*	7*
	Rhode Island	87	246*	11*	89*	47*	8
2013	Nation (public)	87*	244*	14*	86*	45*	8
	Rhode Island	87	246*	12*	88*	47*	8
2015	Nation (public)	87*	243*	15*	85*	43*	8
	Rhode Island	87	242*	14*	86*	42	6
2017	Nation (public)	87*	243*	16*	84*	43*	9
	Rhode Island	86	243*	15*	85*	43*	7
2019	Nation (public)	86*	244*	15*	85*	45*	10*
	Rhode Island	85	245*	12*	88*	46*	8
2022	Nation (public)	85	239	21	79	39	8
	Rhode Island	86	239	20	80	38	7

Rounds to zero.

‡ Reporting standards not met.

* Value is significantly different ($p < .05$) from the value for the same jurisdiction in 2022.¹ Accommodations were not permitted for this assessment.

NOTE: The NAEP grade 4 mathematics scale ranges from 0 to 500. NAEP achievement levels correspond to the following points on the NAEP mathematics scales: below *NAEP Basic*, 213 or lower; *NAEP Basic*, 214–248; *NAEP Proficient*, 249–281; and *NAEP Advanced*, 282 or above. At or above *NAEP Basic* includes *NAEP Basic*, *NAEP Proficient*, and *NAEP Advanced*. At or above *NAEP Proficient* includes *NAEP Proficient* and *NAEP Advanced*. All differences were calculated and tested using unrounded numbers.

SOURCE: U.S. Department of Education, Institute of Education Sciences, National Center for Education Statistics, National Assessment of Educational Progress (NAEP), various years, 2000–2022 Mathematics Assessments.

THE NATION'S REPORT CARD 2022 STATE ASSESSMENT

Table 10-B. Percentage of eighth-grade public school students, average scale score, and achievement-level results in NAEP mathematics, by students with disabilities (SD) status, year and jurisdiction: Various years, 2000–2022

SD status, year, and jurisdiction		Percentage of students	Average scale score	PERCENT			
				Below <i>NAEP Basic</i>	At or above <i>NAEP Basic</i>	At or above <i>NAEP Proficient</i>	At <i>NAEP Advanced</i>
SD							
2000 ¹	Nation (public)	‡	‡	‡	‡	‡	‡
	Rhode Island	‡	‡	‡	‡	‡	‡
2000	Nation (public)	8*	229*	80*	20*	4*	#*
	Rhode Island	14	236	77	23	4	2
2003	Nation (public)	11*	242	71	29	6	1*
	Rhode Island	18*	244	69	31	8	#
2005	Nation (public)	11*	244	69*	31*	7	1*
	Rhode Island	15	241	74	26	3	#
2007	Nation (public)	9*	246*	67*	33*	8	1
	Rhode Island	15	243	71	29	5	#
2009	Nation (public)	10*	249*	64*	36*	9*	1
	Rhode Island	16	245*	70	30	5	#
2011	Nation (public)	11*	249*	65*	35*	9*	2
	Rhode Island	15	248*	66*	34*	7	1
2013	Nation (public)	12*	248*	66*	34*	8*	1
	Rhode Island	14	246*	67*	33*	6	1
2015	Nation (public)	12*	246*	68*	32*	8	1
	Rhode Island	15	246*	69	31	7	#
2017	Nation (public)	13*	246*	70*	30*	8*	2
	Rhode Island	15	243	72	28	6	1
2019	Nation (public)	14*	247*	68*	32*	9*	2*
	Rhode Island	15	238	78	22	7	1
2022	Nation (public)	14	242	73	27	7	1
	Rhode Island	15	238	77	23	6	1

See notes at end of table.

THE NATION'S REPORT CARD 2022 STATE ASSESSMENT**Table 10-B. Percentage of eighth-grade public school students, average scale score, and achievement-level results in NAEP mathematics, by students with disabilities (SD) status, year and jurisdiction: Various years, 2000–2022—Continued**

SD status, year, and jurisdiction		Percentage of students	Average scale score	PERCENT			
				Below <i>NAEP Basic</i>	At or above <i>NAEP Basic</i>	At or above <i>NAEP Proficient</i>	At <i>NAEP Advanced</i>
Not SD							
2000 ¹	Nation (public)	‡	‡	‡	‡	‡	‡
	Rhode Island	‡	‡	‡	‡	‡	‡
2000	Nation (public)	92*	275*	35	65	26*	5*
	Rhode Island	86	274	35	65	25	4*
2003	Nation (public)	89*	280*	29*	71*	30	5*
	Rhode Island	82*	278	30*	70*	27	4*
2005	Nation (public)	89*	281*	28*	72*	31*	6*
	Rhode Island	85	278	30*	70*	27	4*
2007	Nation (public)	91*	284*	26*	74*	33*	7
	Rhode Island	85	281*	28*	72*	32*	6
2009	Nation (public)	90*	285*	24*	76*	35*	8
	Rhode Island	84	284*	24*	76*	32*	7
2011	Nation (public)	89*	287*	23*	77*	36*	9*
	Rhode Island	85	289*	19*	81*	39*	9
2013	Nation (public)	88*	288*	22*	78*	38*	9*
	Rhode Island	86	290*	19*	81*	41*	10*
2015	Nation (public)	88*	286*	24*	76*	36*	9*
	Rhode Island	85	288*	20*	80*	36*	7
2017	Nation (public)	87*	287*	25*	75*	37*	11*
	Rhode Island	85	283*	28*	72*	34*	7
2019	Nation (public)	86*	286*	26*	74*	37*	11*
	Rhode Island	85	282*	29*	71*	33*	9
2022	Nation (public)	86	278	34	66	29	7
	Rhode Island	85	276	36	64	27	7

Rounds to zero.

‡ Reporting standards not met.

* Value is significantly different ($p < .05$) from the value for the same jurisdiction in 2022.¹ Accommodations were not permitted for this assessment.

NOTE: The NAEP grade 8 mathematics scale ranges from 0 to 500. NAEP achievement levels correspond to the following points on the NAEP mathematics scales: below *NAEP Basic*, 261 or lower; *NAEP Basic*, 262-298; *NAEP Proficient*, 299-332; and *NAEP Advanced*, 333 or above. At or above *NAEP Basic* includes *NAEP Basic*, *NAEP Proficient*, and *NAEP Advanced*. At or above *NAEP Proficient* includes *NAEP Proficient* and *NAEP Advanced*. All differences were calculated and tested using unrounded numbers.

SOURCE: U.S. Department of Education, Institute of Education Sciences, National Center for Education Statistics, National Assessment of Educational Progress (NAEP), various years, 2000–2022 Mathematics Assessments.

THE NATION'S REPORT CARD 2022 STATE ASSESSMENT

Table 11-A. Percentage of fourth-grade public school students, average scale score, and achievement-level results in NAEP mathematics, by English learner (EL) status, year and jurisdiction: Various years, 2000–2022

EL status, year, and jurisdiction		Percentage of students	Average scale score	PERCENT			
				Below <i>NAEP Basic</i>	At or above <i>NAEP Basic</i>	At or above <i>NAEP Proficient</i>	At <i>NAEP Advanced</i>
EL							
2000 ¹	Nation (public)	‡	‡	‡	‡	‡	‡
	Rhode Island	‡	‡	‡	‡	‡	‡
2000	Nation (public)	6*	199*	70*	30*	4*	#
	Rhode Island	6*	182*	87*	13*	3	#
2003	Nation (public)	9*	214	51	49	9*	#*
	Rhode Island	8*	196*	77*	23*	3	1
2005	Nation (public)	10*	216	46	54	11*	1*
	Rhode Island	6*	199	71	29	5	1
2007	Nation (public)	10*	217*	44*	56*	13	1
	Rhode Island	7*	207	56	44	9	1
2009	Nation (public)	10*	218*	43*	57*	12*	1*
	Rhode Island	6*	209	56	44	10	1
2011	Nation (public)	11*	219*	42*	58*	14	1
	Rhode Island	6*	207	57	43	8	#
2013	Nation (public)	11*	219*	41*	59*	14	1
	Rhode Island	6*	205	60	40	7	#
2015	Nation (public)	11*	218*	43*	57*	15	1
	Rhode Island	7*	210	54	46	8	1
2017	Nation (public)	12*	217	47	53	14	2
	Rhode Island	7*	200	66	34	7	#
2019	Nation (public)	13*	219*	41*	59*	16	1
	Rhode Island	13	212	50	50	11	1
2022	Nation (public)	14	215	48	52	14	1
	Rhode Island	14	208	60	40	10	1

See notes at end of table.

THE NATION'S REPORT CARD 2022 STATE ASSESSMENT**Table 11-A. Percentage of fourth-grade public school students, average scale score, and achievement-level results in NAEP mathematics, by English learner (EL) status, year and jurisdiction: Various years, 2000–2022—Continued**

EL status, year, and jurisdiction		Percentage of students	Average scale score	PERCENT			
				Below <i>NAEP Basic</i>	At or above <i>NAEP Basic</i>	At or above <i>NAEP Proficient</i>	At <i>NAEP Advanced</i>
Not EL							
2000 ¹	Nation (public)	‡	‡	‡	‡	‡	‡
	Rhode Island	‡	‡	‡	‡	‡	‡
2000	Nation (public)	94*	226*	34*	66*	24*	3*
	Rhode Island	94*	227*	31*	69*	23*	2*
2003	Nation (public)	91*	236*	21*	79*	34*	4*
	Rhode Island	92*	233*	24	76	30*	3*
2005	Nation (public)	90*	239*	18*	82*	38	5*
	Rhode Island	94*	236	20	80	32*	4*
2007	Nation (public)	90*	242*	16*	84*	42*	6*
	Rhode Island	93*	238	18	82	36	4*
2009	Nation (public)	90*	242*	16*	84*	41*	6*
	Rhode Island	94*	241	17*	83*	41	5
2011	Nation (public)	89*	243*	15*	85*	43*	7*
	Rhode Island	94*	244*	13*	87*	45*	8
2013	Nation (public)	89*	244*	15*	85*	45*	8
	Rhode Island	94*	244*	14*	86*	45*	8
2015	Nation (public)	89*	243*	16*	84*	43*	8
	Rhode Island	93*	240	17	83	40	6
2017	Nation (public)	88*	242*	18*	82*	43*	9
	Rhode Island	93*	241	18	82	41	7
2019	Nation (public)	87*	243*	17*	83*	44*	10*
	Rhode Island	87	243*	15*	85*	45*	8
2022	Nation (public)	86	238	23	77	39	8
	Rhode Island	86	238	21	79	37	7

Rounds to zero.

‡ Reporting standards not met.

* Value is significantly different ($p < .05$) from the value for the same jurisdiction in 2022.¹ Accommodations were not permitted for this assessment.

NOTE: The NAEP grade 4 mathematics scale ranges from 0 to 500. NAEP achievement levels correspond to the following points on the NAEP mathematics scales: below *NAEP Basic*, 213 or lower; *NAEP Basic*, 214–248; *NAEP Proficient*, 249–281; and *NAEP Advanced*, 282 or above. At or above *NAEP Basic* includes *NAEP Basic*, *NAEP Proficient*, and *NAEP Advanced*. At or above *NAEP Proficient* includes *NAEP Proficient* and *NAEP Advanced*. All differences were calculated and tested using unrounded numbers.

SOURCE: U.S. Department of Education, Institute of Education Sciences, National Center for Education Statistics, National Assessment of Educational Progress (NAEP), various years, 2000–2022 Mathematics Assessments.

THE NATION'S REPORT CARD 2022 STATE ASSESSMENT

Table 11-B. Percentage of eighth-grade public school students, average scale score, and achievement-level results in NAEP mathematics, by English learner (EL) status, year and jurisdiction: Various years, 2000–2022

EL status, year, and jurisdiction		Percentage of students	Average scale score	PERCENT			
				Below <i>NAEP Basic</i>	At or above <i>NAEP Basic</i>	At or above <i>NAEP Proficient</i>	At <i>NAEP Advanced</i>
EL							
2000 ¹	Nation (public)	‡	‡	‡	‡	‡	‡
	Rhode Island	‡	‡	‡	‡	‡	‡
2000	Nation (public)	3*	234*	80	20	2*	#
	Rhode Island	3*	‡	‡	‡	‡	‡
2003	Nation (public)	5*	241	74	26	5	1
	Rhode Island	4*	228	87	13	3	#
2005	Nation (public)	6*	244*	71*	29*	6*	1
	Rhode Island	4*	224	89	11	1	#
2007	Nation (public)	6*	245*	70*	30*	6*	1
	Rhode Island	3*	‡	‡	‡	‡	‡
2009	Nation (public)	6*	243	72*	28*	5	1
	Rhode Island	3*	237	76	24	8	3
2011	Nation (public)	6*	244	72*	28*	5	1
	Rhode Island	3*	227	83	17	4	#
2013	Nation (public)	5*	245*	69*	31*	5	1
	Rhode Island	5*	232	80	20	2	#
2015	Nation (public)	6*	246*	69*	31*	5	1
	Rhode Island	5*	233	82	18	5	#
2017	Nation (public)	6*	245*	72*	28*	6*	1*
	Rhode Island	5*	229	84	16	2	#
2019	Nation (public)	7*	243	73	27	5	1
	Rhode Island	7*	220*	91	9	1	#
2022	Nation (public)	9	241	76	24	4	#
	Rhode Island	10	228	88	12	#	#

See notes at end of table.

THE NATION'S REPORT CARD 2022 STATE ASSESSMENT**Table 11-B. Percentage of eighth-grade public school students, average scale score, and achievement-level results in NAEP mathematics, by English learner (EL) status, year and jurisdiction: Various years, 2000–2022—Continued**

EL status, year, and jurisdiction		Percentage of students	Average scale score	PERCENT			
				Below <i>NAEP Basic</i>	At or above <i>NAEP Basic</i>	At or above <i>NAEP Proficient</i>	At <i>NAEP Advanced</i>
Not EL							
2000 ¹	Nation (public)	‡	‡	‡	‡	‡	‡
	Rhode Island	‡	‡	‡	‡	‡	‡
2000	Nation (public)	97*	273*	37	63	26*	5*
	Rhode Island	97*	271*	39	61	22*	4*
2003	Nation (public)	95*	278*	31*	69*	29	5*
	Rhode Island	96*	274	35	65	25	3*
2005	Nation (public)	94*	280*	30*	70*	30*	6*
	Rhode Island	96*	274	34	66	24	3*
2007	Nation (public)	94*	282*	27*	73*	33*	7
	Rhode Island	97*	277	33*	67*	28	5
2009	Nation (public)	94*	284*	26*	74*	34*	8
	Rhode Island	97*	279*	30*	70*	28	6
2011	Nation (public)	94*	285*	25*	75*	35*	8*
	Rhode Island	97*	285*	25*	75*	35*	8
2013	Nation (public)	95*	286*	25*	75*	36*	9*
	Rhode Island	95*	287*	23*	77*	38*	9*
2015	Nation (public)	94*	284*	27*	73*	34*	8*
	Rhode Island	95*	284*	25*	75*	33*	7
2017	Nation (public)	94*	284*	28*	72*	35*	10*
	Rhode Island	95*	280*	31*	69*	32*	7
2019	Nation (public)	93*	284*	29*	71*	35*	10*
	Rhode Island	93*	280*	32*	68*	32*	9
2022	Nation (public)	91	276	36	64	28	7
	Rhode Island	90	275	37	63	26	7

Rounds to zero.

‡ Reporting standards not met.

* Value is significantly different ($p < .05$) from the value for the same jurisdiction in 2022.¹ Accommodations were not permitted for this assessment.

NOTE: The NAEP grade 8 mathematics scale ranges from 0 to 500. NAEP achievement levels correspond to the following points on the NAEP mathematics scales: below *NAEP Basic*, 261 or lower; *NAEP Basic*, 262-298; *NAEP Proficient*, 299-332; and *NAEP Advanced*, 333 or above. At or above *NAEP Basic* includes *NAEP Basic*, *NAEP Proficient*, and *NAEP Advanced*. At or above *NAEP Proficient* includes *NAEP Proficient* and *NAEP Advanced*. All differences were calculated and tested using unrounded numbers.

SOURCE: U.S. Department of Education, Institute of Education Sciences, National Center for Education Statistics, National Assessment of Educational Progress (NAEP), various years, 2000–2022 Mathematics Assessments.

THE NATION'S REPORT CARD 2022 STATE ASSESSMENT**Table 12-A. Number of fourth-grade public school students assessed in NAEP mathematics and weighted percentage excluded, by state/jurisdiction: 2022**

State/jurisdiction	Number assessed	Weighted percentage excluded
Nation (public)	112,100	2
Alabama	2,000	1
Alaska	1,700	1
Arizona	1,900	1
Arkansas	1,800	1
California	3,900	2
Colorado	2,500	2
Connecticut	1,800	2
Delaware	1,800	2
Florida	4,600	3
Georgia	2,700	1
Hawaii	1,700	2
Idaho	1,700	1
Illinois	2,800	1
Indiana	1,800	#
Iowa	1,800	1
Kansas	1,900	1
Kentucky	2,400	2
Louisiana	1,800	2
Maine	1,700	2
Maryland	2,500	1
Massachusetts	2,700	2
Michigan	2,600	3
Minnesota	1,900	2
Mississippi	2,000	1
Missouri	1,700	1
Montana	1,800	1
Nebraska	1,900	1
Nevada	2,100	2
New Hampshire	1,800	1
New Jersey	1,800	2
New Mexico	2,200	2
New York	2,400	1
North Carolina	3,500	2
North Dakota	1,800	1
Ohio	2,400	1
Oklahoma	1,800	2
Oregon	1,800	2
Pennsylvania	2,600	2
Rhode Island	1,900	2
South Carolina	1,800	1
South Dakota	1,900	1
Tennessee	2,500	2
Texas	5,800	3
Utah	1,900	1
Vermont	1,700	1
Virginia	1,700	3
Washington	1,900	2
West Virginia	1,800	2
Wisconsin	2,300	1
Wyoming	1,700	1
Other jurisdictions		
District of Columbia	1,700	2
DoDEA ¹	2,400	2

Rounds to zero.

¹ Department of Defense Education Activity (overseas and domestic schools).

NOTE: The number of students assessed is rounded to the nearest hundred.

SOURCE: U.S. Department of Education, Institute of Education Sciences, National Center for Education Statistics, National Assessment of Educational Progress (NAEP), 2022 Mathematics Assessment

THE NATION'S REPORT CARD 2022 STATE ASSESSMENT**Table 12-B. Number of eighth-grade public school students assessed in NAEP mathematics and weighted percentage excluded, by state/jurisdiction: 2022**

State/jurisdiction	Number assessed	Weighted percentage excluded
Nation (public)	107,700	2
Alabama	1,800	2
Alaska	1,500	1
Arizona	1,800	2
Arkansas	1,800	1
California	3,600	2
Colorado	2,300	1
Connecticut	1,700	2
Delaware	1,700	2
Florida	4,500	3
Georgia	2,500	2
Hawaii	1,700	2
Idaho	1,800	1
Illinois	2,700	1
Indiana	1,700	1
Iowa	1,800	1
Kansas	1,800	1
Kentucky	2,300	2
Louisiana	1,700	2
Maine	1,700	1
Maryland	2,500	2
Massachusetts	2,500	3
Michigan	2,400	2
Minnesota	1,500	2
Mississippi	1,800	1
Missouri	1,800	1
Montana	1,700	1
Nebraska	1,900	2
Nevada	1,900	1
New Hampshire	1,700	1
New Jersey	1,800	2
New Mexico	2,200	2
New York	2,300	2
North Carolina	3,300	1
North Dakota	1,700	1
Ohio	2,400	1
Oklahoma	1,700	2
Oregon	1,600	2
Pennsylvania	2,400	1
Rhode Island	1,800	2
South Carolina	1,700	1
South Dakota	1,900	2
Tennessee	2,500	2
Texas	5,500	2
Utah	1,700	2
Vermont	1,800	2
Virginia	1,700	2
Washington	1,800	1
West Virginia	1,800	2
Wisconsin	2,500	1
Wyoming	1,700	1
Other jurisdictions		
District of Columbia	1,600	1
DoDEA ¹	1,700	1

¹ Department of Defense Education Activity (overseas and domestic schools).

NOTE: The number of students assessed is rounded to the nearest hundred.

SOURCE: U.S. Department of Education, Institute of Education Sciences, National Center for Education Statistics, National Assessment of Educational Progress (NAEP), 2022 Mathematics Assessment

Where to Find More Information

The NAEP Mathematics Assessment

More information about the 2022 NAEP mathematics assessment and the results can be found on the NAEP website at <https://nces.ed.gov/nationsreportcard/mathematics>. The individual snapshot reports for each participating state and other jurisdictions are also available in the state results section of the website at <https://nces.ed.gov/nationsreportcard/states/>.

The *Mathematics Framework for the National Assessment of Educational Progress*, on which this assessment is based, is available at the National Assessment Governing Board website at <https://www.nagb.gov/naep-frameworks/mathematics.html>.

The NAEP Data Explorer (NDE)

The NAEP Data Explorer (NDE), available at <https://nces.ed.gov/nationsreportcard/naepdata/>, is an interactive database with which users can design and create tables and perform tests of statistical significance. The NDE includes student, teacher, and school variables for all participating districts, states, and the nation. Data tables are also available for participating districts, with all contextual questions cross-tabulated with the major demographic variables.

Technical Documentation on the Web (TDW)

The [Technical Documentation on the Web \(TDW\)](#) section of the NAEP website is written for researchers and assumes knowledge of educational measurement and testing. TDW contains information about the technical procedures and methods of NAEP: how the assessment is designed and conducted, and how data are analyzed.

Publications on the inclusion of students with disabilities and English learners

References for a variety of research publications related to the assessment of SD and/or EL students may be found at <https://nces.ed.gov/nationsreportcard/about/inclusion.asp#research>.

To order publications:

Some recent NAEP publications related to mathematics are accessible via the mathematics page of the NAEP website (<https://nces.ed.gov/nationsreportcard/mathematics/>, under "Mathematics Publications"). These and others are available through the IES Publications and Products Search site at: <https://ies.ed.gov/pubsearch/>. Publications can also be ordered from:

Education Publications Center (ED Pubs)
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P.O. Box 22207
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Call toll free: 1-877-4ED-Pubs (1-877-433-7827)
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The NAEP State Report Generator was developed for the NAEP 2022 reports by Phillip Leung, Tao Wang, Hui-Jou Chou, Nicole Fiorentino, Carol Eckerly, Xueli Xu, Laura Jerry, Jillian McCarthy, and Ming Kuang.

What is the Nation's Report Card™?

The Nation's Report Card™ informs the public about the academic achievement of elementary and secondary students in the United States. Report cards communicate the findings of the National Assessment of Educational Progress (NAEP), a continuing and nationally representative measure of achievement in various subjects over time.

Since 1969, NAEP assessments have been conducted periodically in reading, mathematics, science, writing, U.S. history, civics, geography, and other subjects. NAEP collects and reports information on student performance at the national, state, and local levels, making the assessment an integral part of our nation's evaluation of the condition and progress of education. Only academic achievement data and related background information are collected. The privacy of individual students and their families is protected.

NAEP is a congressionally authorized project of the National Center for Education Statistics (NCES) within the Institute of Education Sciences of the U.S. Department of Education. The Commissioner of Education Statistics is responsible for carrying out the NAEP project. The National Assessment Governing Board oversees and sets policy for NAEP.

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