

# Kentucky

Grade 4 and 8 Public Schools



## State Reading 2013

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

State-level results in reading are available for ten assessment years (at grade 4 in 1992 and 1994, and at both grades 4 and 8 in 1998, 2002, 2003, 2005, 2007, 2009, 2011, and 2013), although not all states may have participated or met the criteria for reporting in every year. All 50 states, the District of Columbia, and the Department of Defense Education Activity schools (DoDEA) participated in the 2013 reading assessment at grades 4 and 8.

For more information about the assessment, visit the NAEP website at <http://nces.ed.gov/nationsreportcard/> which contains

- *The Nation's Report Card*
- The full set of national and state results in an interactive database
- Released test questions, scoring guides, and question-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 2013

### Grade 4:

- ε In 2013, the average reading score for fourth-grade students in Kentucky was 224. This was higher than that for the nation's public schools (221).
- ε The average score for students in Kentucky in 2013 (224) was higher than that in 1992 (213) and was not significantly different from that in 2011 (225).
- ε In 2013, the percentage of students in Kentucky who performed at or above *Proficient* was 36 percent. This was not significantly different from that for the nation's public schools (34 percent).
- ε The percentage of students in Kentucky who performed at or above *Proficient* in 2013 (36 percent) was greater than that in 1992 (23 percent) and was not significantly different from that in 2011 (35 percent).
- ε In 2013, the percentage of students in Kentucky who performed at or above *Basic* was 71 percent. This was greater than that for the nation's public schools (67 percent).
- ε The percentage of students in Kentucky who performed at or above *Basic* in 2013 (71 percent) was greater than that in 1992 (58 percent) and was not significantly different from that in 2011 (72 percent).

### Grade 8:

- ε In 2013, the average reading score for eighth-grade students in Kentucky was 270. This was higher than that for the nation's public schools (266).
- ε The average score for students in Kentucky in 2013 (270) was higher than that in 1998 (262) and was not significantly different from that in 2011 (269).
- ε In 2013, the percentage of students in Kentucky who performed at or above *Proficient* was 38 percent. This was greater than that for the nation's public schools (34 percent).
- ε The percentage of students in Kentucky who performed at or above *Proficient* in 2013 (38 percent) was greater than that in 1998 (30 percent) and was not significantly different from that in 2011 (36 percent).
- ε In 2013, the percentage of students in Kentucky who performed at or above *Basic* was 80 percent. This was greater than that for the nation's public schools (77 percent).
- ε The percentage of students in Kentucky who performed at or above *Basic* in 2013 (80 percent) was greater than that in 1998 (74 percent) and was not significantly different from that in 2011 (79 percent).

The U.S. Department of Education, Institute of Education Sciences, National Center for Education Statistics, and National Assessment of Educational Progress (NAEP) has 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 content for each NAEP assessment is determined by the National Assessment Governing Board. The framework for each assessment documents the content and process areas to be measured and sets guidelines for the types of questions to be used. The development process for the reading framework required the active participation of teachers, curriculum specialists, subject-matter specialists, local school administrators, parents, and other members of the general public. The current framework is available at the Governing Board's website <http://www.nagb.org/content/nagb/assets/documents/publications/frameworks/reading-2013-framework.pdf>.

*The Reading Framework for the 2009 National Assessment of Educational Progress* replaced the framework that guided the 1992 reading assessment and subsequent reading assessments through 2007. Based on results from special analysis, it was determined that even with a new framework, the results from the 2009 reading assessment could still be compared to those from previous assessment years. A summary of these analyses is available on the Web at [http://nces.ed.gov/nationsreportcard/reading/trend\\_study.asp](http://nces.ed.gov/nationsreportcard/reading/trend_study.asp). The 2013 NAEP reading assessment used the same framework used in 2009 and 2011. Trends are reported from 1992 to 2013.

### Types of Text

The framework calls for the use of both literary and informational texts in the reading assessment. Literary texts include three types at each grade: fiction, literary nonfiction, and poetry. Informational texts include exposition, argumentation/persuasive, and procedural texts. The inclusion of distinct text types is aligned with the framework's definition of reading, which recognizes that interaction with different texts elicit different ways of thinking and responding.

#### Literary texts (all three types at each grade)

- ε Fiction
- ε Literary Nonfiction
- ε Poetry

#### Informational texts (varies by grade level – see procedural appendix for more detail)

- ε Exposition
- ε Argumentation and Persuasive Text
- ε Procedural Texts and Documents

### Cognitive Targets

All reading questions are aligned to cognitive reading behaviors applicable to both literary and informational text. The framework specifies three reading behaviors, or cognitive targets: locate/recall, integrate/interpret, and critique/evaluate. The term cognitive target refers to the mental processes or kinds of thinking that underlie reading comprehension.

- ε **Locate and recall:** When locating or recalling information from what they have read, students may identify explicitly stated main ideas or may focus on specific elements of a story.
- ε **Integrate and interpret:** When integrating and interpreting what they have read, students may make comparisons, explain character motivation, or examine relations of ideas across the text.
- ε **Critique and evaluate:** When critiquing or evaluating what they have read, students view the text critically by examining it from numerous perspectives or may evaluate overall text quality or the effectiveness of particular aspects of the text.

### **Meaning Vocabulary**

In addition, the framework calls for a systematic assessment of meaning vocabulary. Meaning vocabulary items function as both a measure of passage comprehension and of readers' knowledge of specific word meaning as used in the passage.

### **Assessment Design**

The assessment contains reading materials that were drawn from sources commonly available to students both in and out of the school environment. These authentic materials were considered to be representative of students' typical reading experiences. Each student in the assessment was asked to complete two 25-minute sections, each consisting of a reading passage and associated questions. A combination of multiple-choice and constructed-response questions was used to assess students' understanding of the passages. Released NAEP reading passages and questions, along with student performance data by state, are available on the NAEP website at <http://nces.ed.gov/nationsreportcard/itmrls/>.

### Who Was Assessed?

All 50 states, the District of Columbia, and the Department of Defense Education Activity schools (DoDEA) participated in the 2013 reading assessment at grades 4 and 8. In order for assessment results to be reported publicly, 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. A participation rate of at least 85 percent for schools in each subject and grade was required. Participation rates for the 2013 reading assessment are available on the NAEP website [http://nationsreportcard.gov/reading\\_2013/participation.aspx](http://nationsreportcard.gov/reading_2013/participation.aspx).

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 schools.

### How Is Student Reading Performance Reported?

The 2013 state results are compared to results from nine earlier assessments at grade 4 and from seven earlier assessments at grade 8.

**Scale Scores:** Student performance is reported as an average score based on the NAEP reading 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.

**Achievement Levels:** Based on recommendations from policymakers, educators, and members of the general public, the Governing Board has set specific achievement levels for each subject area and grade. Achievement levels are performance standards indicating what students should know and be able to do. They provide another perspective with which to interpret student performance. NAEP results are reported in terms of three achievement levels—*Basic*, *Proficient*, and *Advanced*—and are expressed in terms of the percentage of students who attained each level. The three achievement levels are defined as follows:

- ε *Basic* denotes partial mastery of prerequisite knowledge and skills that are fundamental for proficient work at each grade.
- ε *Proficient* represents solid academic performance for each grade assessed. Students reaching this level have demonstrated competency over challenging subject matter, including subject-matter knowledge, application of such knowledge to real-world situations, and appropriate analytical skills.
- ε *Advanced* represents superior performance.

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

As provided by law, NCES, upon review of congressionally mandated evaluations of NAEP, has determined that 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 reading achievement-level descriptions are summarized in figures 1-A and 1-B.

## NAEP 2013 Reading Report for Kentucky (Embargoed)

<b>Figure 1-A</b>	<b>The Nation's Report Card 2013 State Assessment</b>
	<b>Descriptions of fourth-grade achievement levels for 2013 NAEP reading assessment</b>

<b>Basic Level (208)</b>	Fourth-grade students performing at the <i>Basic</i> level should be able to locate relevant information, make simple inferences, and use their understanding of the text to identify details that support a given interpretation or conclusion. Students should be able to interpret the meaning of a word as it is used in the text.
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When reading **literary** texts such as fiction, poetry, and literary nonfiction, fourth-grade students performing at the *Basic* level should be able to make simple inferences about characters, events, plot, and setting. They should be able to identify a problem in a story and relevant information that supports an interpretation of a text.

When reading **informational** texts such as articles and excerpts from books, fourth-grade students performing at the *Basic* level should be able to identify the main purpose and an explicitly stated main idea, as well as gather information from various parts of a text to provide supporting information.

<b>Proficient Level (238)</b>	Fourth-grade students performing at the <i>Proficient</i> level should be able to integrate and interpret texts and apply their understanding of the text to draw conclusions and make evaluations.
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When reading **literary** texts such as fiction, poetry, and literary nonfiction, fourth-grade students performing at the *Proficient* level should be able to identify implicit main ideas and recognize relevant information that supports them. Students should be able to judge elements of an author's craft and provide some support for their judgment. They should be able to analyze character roles, actions, feelings, and motivations.

When reading **informational** texts such as articles and excerpts from books, fourth-grade students performing at the *Proficient* level should be able to locate relevant information, integrate information across texts, and evaluate the way an author presents information. Student performance at this level should demonstrate an understanding of the purpose for text features and an ability to integrate information from headings, text boxes, and graphics and their captions. They should be able to explain a simple cause-and-effect relationship and draw conclusions.

<b>Advanced Level (268)</b>	Fourth-grade students performing at the <i>Advanced</i> level should be able to make complex inferences and construct and support their inferential understanding of the text. Students should be able to apply their understanding of a text to make and support a judgment.
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When reading **literary** texts such as fiction, poetry, and literary nonfiction, fourth-grade students performing at the *Advanced* level should be able to identify the theme in stories and poems and make complex inferences about characters' traits, feelings, motivations, and actions. They should be able to recognize characters' perspectives and evaluate characters' motivations. Students should be able to interpret characteristics of poems and evaluate aspects of text organization.

When reading **informational** texts such as articles and excerpts from books, fourth-grade students performing at the *Advanced* level should be able to make complex inferences about main ideas and supporting ideas. They should be able to express a judgment about the text and about text features and support the judgments with evidence. They should be able to identify the most likely cause given an effect, explain an author's point of view, and compare ideas across two texts.

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

SOURCE: National Assessment Governing Board. (2012). *Reading Framework for the 2013 National Assessment of Educational Progress*. Washington, DC.

# NAEP 2013 Reading Report for Kentucky (Embargoed)

<b>Figure 1-B</b>	<b>The Nation's Report Card 2013 State Assessment</b>
	<b>Descriptions of eighth-grade achievement levels for 2013 NAEP reading assessment</b>

<b>Basic Level (243)</b>	Eighth-grade students performing at the <i>Basic</i> level should be able to locate information; identify statements of main idea, theme, or author's purpose; and make simple inferences from texts. They should be able to interpret the meaning of a word as it is used in the text. Students performing at this level should also be able to state judgments and give some support about content and presentation of content.
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When reading **literary** texts such as fiction, poetry, and literary nonfiction, eighth-grade students performing at the *Basic* level should recognize major themes and be able to identify, describe, and make simple inferences about setting and about character motivations, traits, and experiences. They should be able to state and provide some support for judgments about the way an author presents content and about character motivation.

When reading **informational** texts such as exposition and argumentation, eighth-grade students performing at the *Basic* level should be able to recognize inferences based on main ideas and supporting details. They should be able to locate and provide relevant facts to construct general statements about information from the text. Students should be able to provide some support for judgments about the way information is presented.

<b>Proficient Level (281)</b>	Eighth-grade students performing at the <i>Proficient</i> level should be able to provide relevant information and summarize main ideas and themes. They should be able to make and support inferences about a text, connect parts of a text, and analyze text features. Students performing at this level should also be able to fully substantiate judgments about content and presentation of content.
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When reading **literary** texts such as fiction, poetry, and literary nonfiction, eighth-grade students performing at the *Proficient* level should be able to make and support a connection between characters from two parts of a text. They should be able to recognize character actions and infer and support character feelings. Students performing at this level should be able to provide and support judgments about characters' motivations across texts. They should be able to identify how figurative language is used.

When reading **informational** texts such as exposition and argumentation, eighth-grade students performing at the *Proficient* level should be able to locate and provide facts and relevant information that support a main idea or purpose, interpret causal relations, provide and support a judgment about the author's argument or stance, and recognize rhetorical devices.

<b>Advanced Level (323)</b>	Eighth-grade students performing at the <i>Advanced</i> level should be able to make connections within and across texts and to explain causal relations. They should be able to evaluate and justify the strength of supporting evidence and the quality of an author's presentation. Students performing at the <i>Advanced</i> level also should be able to manage the processing demands of analysis and evaluation by stating, explaining, and justifying.
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When reading **literary** texts such as fiction, literary nonfiction, and poetry, eighth-grade students performing at the *Advanced* level should be able to explain the effects of narrative events. Within or across texts, they should be able to make thematic connections and make inferences about characters' feelings, motivations, and experiences.

When reading **informational** texts such as exposition and argumentation, eighth-grade students performing at the *Advanced* level should be able to infer and explain a variety of connections that are intratextual (such as the relation between specific information and the main idea) or intertextual (such as the relation of ideas across expository and argument texts). Within and across texts, students should be able to state and justify judgments about text features, choice of content, and the author's use of evidence and rhetorical devices.

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NOTE: The scores in parentheses in the shaded boxes indicate the lowest point on the 0-500 scale at which the achievement-level range begins.  
 SOURCE: National Assessment Governing Board. (2012). *Reading Framework for the 2013 National Assessment of Educational Progress*. Washington, DC.

### Assessing Students With Disabilities and/or English Language Learners

Testing accommodations, such as extra testing time or individual (rather than group) administration, are provided for students with disabilities (SD) and/or English language learners (ELL) 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 reading assessments prior to 1998, no testing accommodations or adaptations were permitted for SD and/or ELL students. In 1998, NAEP was administered using a split sample of schools—one sample in which accommodations were permitted for special-needs students who normally received them and another sample in which accommodations were not permitted. Therefore, there were two different sets of results available for 1998, and both are shown in the tables in this report. Please note that bullet statements only reference the results from the 1998 assessment where accommodations were permitted. Results for the assessment years where accommodations were not permitted in state NAEP reading assessments (1992 and 1994) are reported in the same tables as the results where accommodations were permitted (1998, 2002, 2003, 2005, 2007, 2009, 2011, and 2013).

Even with the availability of accommodations, however, some students may still be excluded from the NAEP assessment. Due to differences in policies and practices regarding the identification and inclusion of SD and/or ELL students, variations in exclusion and accommodation rates should be considered when comparing students' performance over time and across states. The types of accommodations used in the 2013 NAEP reading assessment are available on the NAEP website at [http://nationsreportcard.gov/reading\\_2011/type\\_accomm.aspx](http://nationsreportcard.gov/reading_2011/type_accomm.aspx).

### Interpreting 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 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 2013 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 2013 Reading Overall Average Score and Achievement-Level Results for Public School Students

Overall reading results for public school students from Kentucky 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 (<http://nces.ed.gov/nationsreportcard/hsts/tabulations/regions.asp>). Trend data by region are not provided for assessment years prior to 2003.

Prior to 1998, testing accommodations were not provided for students with special needs in NAEP state reading assessments. For 1998, 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 1998 results refer only to the sample in which accommodations were permitted.

### Overall Scale Score Results

Student performance is reported as an average score based on the NAEP reading 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 Kentucky, the nation (public), 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 for 2003, 2005, 2007, 2009, 2011, and 2013. The first column of results presents the average score on the NAEP reading 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 Scale Score Results

- ε In 2013, the average scale score for students in Kentucky was 224. This was higher than that for students across the nation (221).
- ε In Kentucky, the average scale score for students in 2013 was not significantly different from that in 2011 (225). Similarly, the average scale score for students in public schools across the nation in 2013 was not significantly different from that in 2011 (220).
- ε In Kentucky, the average scale score for students in 2013 was higher than the scores in 1992, 1994, 1998, 2002, 2003, and 2005. However, it was not significantly different from the scores in 2007, 2009, and 2011.

### Grade 8 Scale Score Results

- ε In 2013, the average scale score for students in Kentucky was 270. This was higher than that for students across the nation (266).
- ε In Kentucky, the average scale score for students in 2013 was not significantly different from that in 2011 (269). However, the average scale score for students in public schools across the nation in 2013 was higher than that in 2011 (264).
- ε In Kentucky, the average scale score for students in 2013 was higher than the scores in 1998, 2002, 2003, 2005, 2007, and 2009. However, it was not significantly different from the score in 2011.

# NAEP 2013 Reading Report for Kentucky (Embargoed)

## The Nation's Report Card 2013 State Assessment

**Table  
1-A**

Average scale scores and selected percentile scores in NAEP reading for fourth-grade public school students, by year and jurisdiction: Various years, 1992–2013

Year and jurisdiction		Average scale score	10th percentile	25th percentile	50th percentile	75th percentile	90th percentile
1992 <sup>1</sup>	Nation (public)	215*	168*	192*	217*	240*	259*
	Kentucky	213*	168*	191*	215*	236*	253*
1994 <sup>1</sup>	Nation (public)	212*	156*	187*	217*	241*	261*
	Kentucky	212*	161*	187*	214*	238*	259*
1998 <sup>1</sup>	Nation (public)	215*	165*	192*	218*	242*	261*
	Kentucky	218*	173	196*	220*	241*	261*
1998	Nation (public)	213*	161*	189*	215*	241*	260*
	Kentucky	218*	173	195*	219*	242*	260*
2002	Nation (public)	217*	169*	194*	219*	242*	261*
	Kentucky	219*	176	197*	221*	242*	261*
2003	Nation (public)	216*	167*	193*	219*	243*	262*
	South <sup>2</sup>	215*	167*	192*	217*	241*	261*
	Kentucky	219*	174	197*	221*	243*	261
2005	Nation (public)	217*	169*	194*	220*	243*	262*
	South <sup>2</sup>	217*	171*	194*	219*	241*	260*
	Kentucky	220*	175	197*	221*	244*	263
2007	Nation (public)	220*	173	198*	222*	244*	263*
	South <sup>2</sup>	219*	175	198*	221*	242*	261*
	Kentucky	222	178	201	224	246	265
2009	Nation (public)	220*	173	198*	222*	244*	263*
	South <sup>2</sup>	220	176*	198	221*	243*	261*
	Kentucky	226	184	205	227	248	265
2011	Nation (public)	220	173	198	223*	245*	263*
	South <sup>2</sup>	220	175	199	222	244*	262
	Kentucky	225	184	205	226	247	264
2013	Nation (public)	221	172	199	224	246	264
	South <sup>2</sup>	221	174	199	223	245	264
	Kentucky	224	180	204	227	248	266

\* Value is significantly different ( $p < .05$ ) from the value for the same jurisdiction in 2013.

<sup>1</sup> Accommodations were not permitted for this assessment.

<sup>2</sup> 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 reading 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, 1992–2013 Reading Assessments.

# NAEP 2013 Reading Report for Kentucky (Embargoed)

## The Nation's Report Card 2013 State Assessment

**Table  
1-B**

Average scale scores and selected percentile scores in NAEP reading for eighth-grade public school students, by year and jurisdiction: Various years, 1998–2013

Year and jurisdiction		Average scale score	10th percentile	25th percentile	50th percentile	75th percentile	90th percentile
1998 <sup>1</sup>	Nation (public)	261 *	215 *	240 *	264 *	286 *	304 *
	Kentucky	262 *	218 *	242 *	265 *	285 *	302 *
1998	Nation (public)	261 *	214 *	238 *	264 *	285 *	303 *
	Kentucky	262 *	219 *	242 *	265 *	285 *	303 *
2002	Nation (public)	263 *	219 *	242 *	265 *	286 *	303 *
	Kentucky	265 *	226	246	267 *	286 *	302 *
2003	Nation (public)	261 *	215 *	240 *	264 *	286 *	304 *
	South <sup>2</sup>	259 *	214 *	238 *	261 *	283 *	301 *
	Kentucky	266 *	224	246	268	289 *	306
2005	Nation (public)	260 *	214 *	238 *	263 *	285 *	303 *
	South <sup>2</sup>	258 *	212 *	236 *	260 *	282 *	301 *
	Kentucky	264 *	221	243 *	266 *	286 *	304 *
2007	Nation (public)	261 *	216 *	240 *	264 *	285 *	303 *
	South <sup>2</sup>	260 *	216 *	239 *	262 *	283 *	301 *
	Kentucky	262 *	220	241 *	263 *	283 *	303 *
2009	Nation (public)	262 *	218 *	242 *	265 *	286 *	304 *
	South <sup>2</sup>	261 *	217 *	240 *	263 *	284 *	302 *
	Kentucky	267 *	226	248	268	288 *	305 *
2011	Nation (public)	264 *	219 *	243 *	266 *	287 *	305 *
	South <sup>2</sup>	262 *	219	241 *	264 *	284 *	302 *
	Kentucky	269	227	249	270	290	307
2013	Nation (public)	266	222	245	268	289	308
	South <sup>2</sup>	264	221	243	266	287	306
	Kentucky	270	226	248	271	292	311

\* Value is significantly different ( $p < .05$ ) from the value for the same jurisdiction in 2013.

<sup>1</sup> Accommodations were not permitted for this assessment.

<sup>2</sup> 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 reading 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, 1998–2013 Reading Assessments.

## Overall 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 *Basic*, at or above *Basic*, at or above *Proficient*, and at *Advanced*. Because the percentages are cumulative from *Basic* to *Proficient* to *Advanced*, they may sum to more than 100 percent. Only the percentage of students performing at or above *Basic* (which includes the students at *Proficient* and *Advanced*) plus the students below *Basic* will sum to 100 percent.

### Grade 4 Achievement-Level Results

- ε In 2013, the percentage of Kentucky's students who performed at or above *Proficient* was 36 percent. This was not significantly different from the percentage of the nation's public school students who performed at or above *Proficient* (34 percent).
- ε In Kentucky, the percentage of students who performed at or above *Proficient* in 2013 was greater than the percentages in 1992, 1994, 1998, 2002, 2003, and 2005, but was not significantly different from the percentages in 2007, 2009, and 2011.
- ε In 2013, the percentage of Kentucky's students who performed at or above *Basic* was 71 percent. This was greater than the percentage of the nation's public school students who performed at or above *Basic* (67 percent).
- ε In Kentucky, the percentage of students who performed at or above *Basic* in 2013 was greater than the percentages in 1992, 1994, 1998, 2002, 2003, and 2005, but was not significantly different from the percentages in 2007, 2009, and 2011.

### Grade 8 Achievement-Level Results

- ε In 2013, the percentage of Kentucky's students who performed at or above *Proficient* was 38 percent. This was greater than the percentage of the nation's public school students who performed at or above *Proficient* (34 percent).
- ε In Kentucky, the percentage of students who performed at or above *Proficient* in 2013 was greater than the percentages in 1998, 2002, 2005, 2007, and 2009, but was not significantly different from the percentages in 2003 and 2011.
- ε In 2013, the percentage of Kentucky's students who performed at or above *Basic* was 80 percent. This was greater than the percentage of the nation's public school students who performed at or above *Basic* (77 percent).
- ε In Kentucky, the percentage of students who performed at or above *Basic* in 2013 was greater than the percentages in 1998, 2005, and 2007, but was not significantly different from the percentages in 2002, 2003, 2009, and 2011.

# NAEP 2013 Reading Report for Kentucky (Embargoed)

## The Nation's Report Card 2013 State Assessment

**Table  
2-A**

Percentage of fourth-grade public school students at or above NAEP reading achievement levels, by year and jurisdiction: Various years, 1992–2013

Year and jurisdiction		Below <i>Basic</i>	At or above <i>Basic</i>	At or above <i>Proficient</i>	At <i>Advanced</i>
1992 <sup>1</sup>	Nation (public)	40*	60*	27*	6*
	Kentucky	42*	58*	23*	3*
1994 <sup>1</sup>	Nation (public)	41*	59*	28*	7
	Kentucky	44*	56*	26*	6*
1998 <sup>1</sup>	Nation (public)	39*	61*	29*	6*
	Kentucky	37*	63*	29*	6*
1998	Nation (public)	42*	58*	28*	6*
	Kentucky	38*	62*	29*	6*
2002	Nation (public)	38*	62*	30*	6*
	Kentucky	36*	64*	30*	6*
2003	Nation (public)	38*	62*	30*	7*
	South <sup>2</sup>	40*	60*	28*	6*
	Kentucky	36*	64*	31*	7
2005	Nation (public)	38*	62*	30*	7*
	South <sup>2</sup>	38*	62*	28*	6*
	Kentucky	35*	65*	31*	7
2007	Nation (public)	34*	66*	32*	7*
	South <sup>2</sup>	35*	65*	30*	6*
	Kentucky	32	68	33	8
2009	Nation (public)	34*	66*	32*	7*
	South <sup>2</sup>	34	66	30*	6*
	Kentucky	28	72	36	8
2011	Nation (public)	34*	66*	32*	7*
	South <sup>2</sup>	34	66	31*	7
	Kentucky	28	72	35	8
2013	Nation (public)	33	67	34	8
	South <sup>2</sup>	33	67	33	8
	Kentucky	29	71	36	9

\* Value is significantly different ( $p < .05$ ) from the value for the same jurisdiction in 2013.

<sup>1</sup> Accommodations were not permitted for this assessment.

<sup>2</sup> 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 reading scale ranges from 0 to 500. Achievement levels correspond to the following points on the NAEP reading scales: below *Basic*, 207 or lower; *Basic*, 208–237; *Proficient*, 238–267; and *Advanced*, 268 and above. At or above *Basic* includes *Basic*, *Proficient*, and *Advanced*. At or above *Proficient* includes *Proficient* and *Advanced*. Detail may not sum to totals because of rounding. 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, 1992–2013 Reading Assessments.

# NAEP 2013 Reading Report for Kentucky (Embargoed)

## The Nation's Report Card 2013 State Assessment

**Table  
2-B**

Percentage of eighth-grade public school students at or above NAEP reading achievement levels, by year and jurisdiction: Various years, 1998–2013

Year and jurisdiction		Below <i>Basic</i>	At or above <i>Basic</i>	At or above <i>Proficient</i>	At <i>Advanced</i>
1998 <sup>1</sup>	Nation (public)	28*	72*	31*	2*
	Kentucky	26*	74*	29*	2*
1998	Nation (public)	29*	71*	30*	2*
	Kentucky	26*	74*	30*	2*
2002	Nation (public)	26*	74*	31*	2*
	Kentucky	22	78	32*	2*
2003	Nation (public)	28*	72*	30*	3*
	South <sup>2</sup>	30*	70*	27*	2*
	Kentucky	22	78	34	3*
2005	Nation (public)	29*	71*	29*	3*
	South <sup>2</sup>	31*	69*	26*	2*
	Kentucky	25*	75*	31*	3*
2007	Nation (public)	27*	73*	29*	2*
	South <sup>2</sup>	29*	71*	27*	2*
	Kentucky	27*	73*	28*	3*
2009	Nation (public)	26*	74*	30*	2*
	South <sup>2</sup>	28*	72*	28*	2*
	Kentucky	21	79	33*	3*
2011	Nation (public)	25*	75*	32*	3*
	South <sup>2</sup>	27*	73*	29*	2*
	Kentucky	21	79	36	3*
2013	Nation (public)	23	77	34	4
	South <sup>2</sup>	25	75	32	3
	Kentucky	20	80	38	5

\* Value is significantly different ( $p < .05$ ) from the value for the same jurisdiction in 2013.

<sup>1</sup> Accommodations were not permitted for this assessment.

<sup>2</sup> 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 reading scale ranges from 0 to 500. Achievement levels correspond to the following points on the NAEP reading scales: below *Basic*, 242 or lower; *Basic*, 243–280; *Proficient*, 281–322; and *Advanced*, 323 and above. At or above *Basic* includes *Basic*, *Proficient*, and *Advanced*. At or above *Proficient* includes *Proficient* and *Advanced*. Detail may not sum to totals because of rounding. 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, 1998–2013 Reading Assessments.

## Comparisons Between Kentucky, the Nation, and Participating States and Jurisdictions

All 50 states, the District of Columbia, and the Department of Defense Education Activity schools (DoDEA) participated in the 2013 reading 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 Scale Scores

Figures 2-A and 2-B compare Kentucky's 2013 overall reading 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 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 Kentucky in the NAEP 2013 reading assessment.

#### ***Grade 4 Scale Score Comparison Results***

- ε The average score for students in Kentucky was higher than 21 jurisdictions, not significantly different from 22 jurisdictions, and lower than 8 jurisdictions.

#### ***Grade 8 Scale Score Comparison Results***

- ε The average score for students in Kentucky was higher than 23 jurisdictions, not significantly different from 21 jurisdictions, and lower than 7 jurisdictions.





## Comparisons by Achievement Levels

Figures 3-A and 3-B permit comparisons of all jurisdictions (and the nation) participating in the NAEP 2013 reading assessment in terms of percentages of grades 4 and 8 students performing at or above *Proficient*. The participating states and jurisdictions are grouped into categories that reflect whether the percentage of their students performing at or above *Proficient* (including *Advanced*) was found to be higher than, not significantly different from, or lower than the percentage in Kentucky.

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 achievement level can be calculated online by using the NAEP Data Explorer at <http://nces.ed.gov/nationsreportcard/naepdata/>.

### **Grade 4 Achievement-Level Comparison Results**

- ε The percentage of students performing at or above the *Proficient* level in Kentucky was greater than the percentage in 17 jurisdictions, not significantly different from those in 25 jurisdictions, and smaller than those in 9 jurisdictions.
- ε The percentage of students performing at or above the *Basic* level in Kentucky was greater than the percentage in 20 jurisdictions, not significantly different from those in 24 jurisdictions, and smaller than those in 7 jurisdictions (data not shown).

### **Grade 8 Achievement-Level Comparison Results**

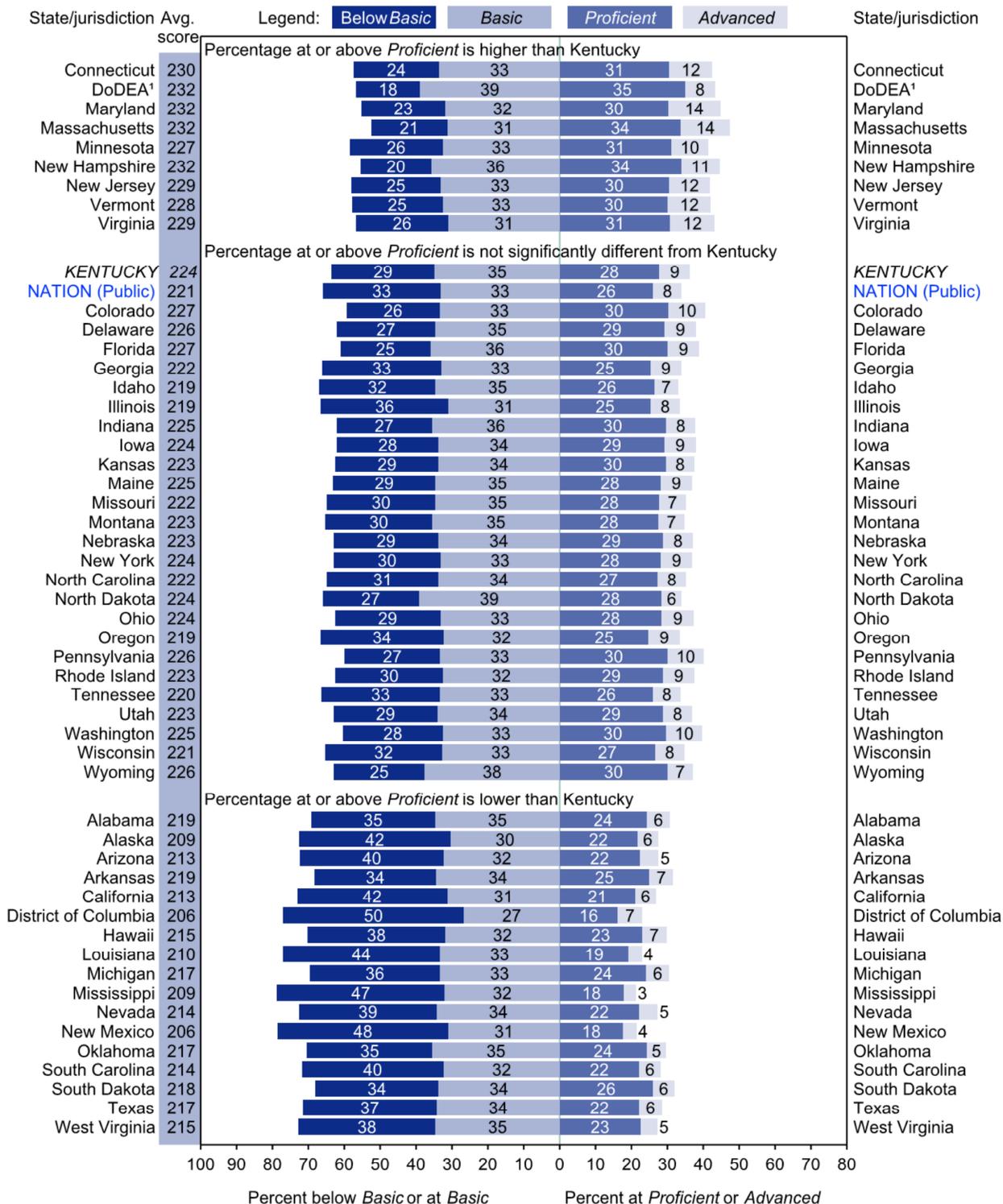
- ε The percentage of students performing at or above the *Proficient* level in Kentucky was greater than the percentage in 22 jurisdictions, not significantly different from those in 21 jurisdictions, and smaller than those in 8 jurisdictions.
- ε The percentage of students performing at or above the *Basic* level in Kentucky was greater than the percentage in 19 jurisdictions, not significantly different from those in 24 jurisdictions, and smaller than those in 8 jurisdictions (data not shown).

# NAEP 2013 Reading Report for Kentucky (Embargoed)

## The Nation's Report Card 2013 State Assessment

**Figure 3-A**

Average scale scores in NAEP reading for fourth-grade public school students, percentage within each achievement level, and Kentucky's percentage at or above *Proficient* compared with the nation and other participating states/jurisdictions: 2013



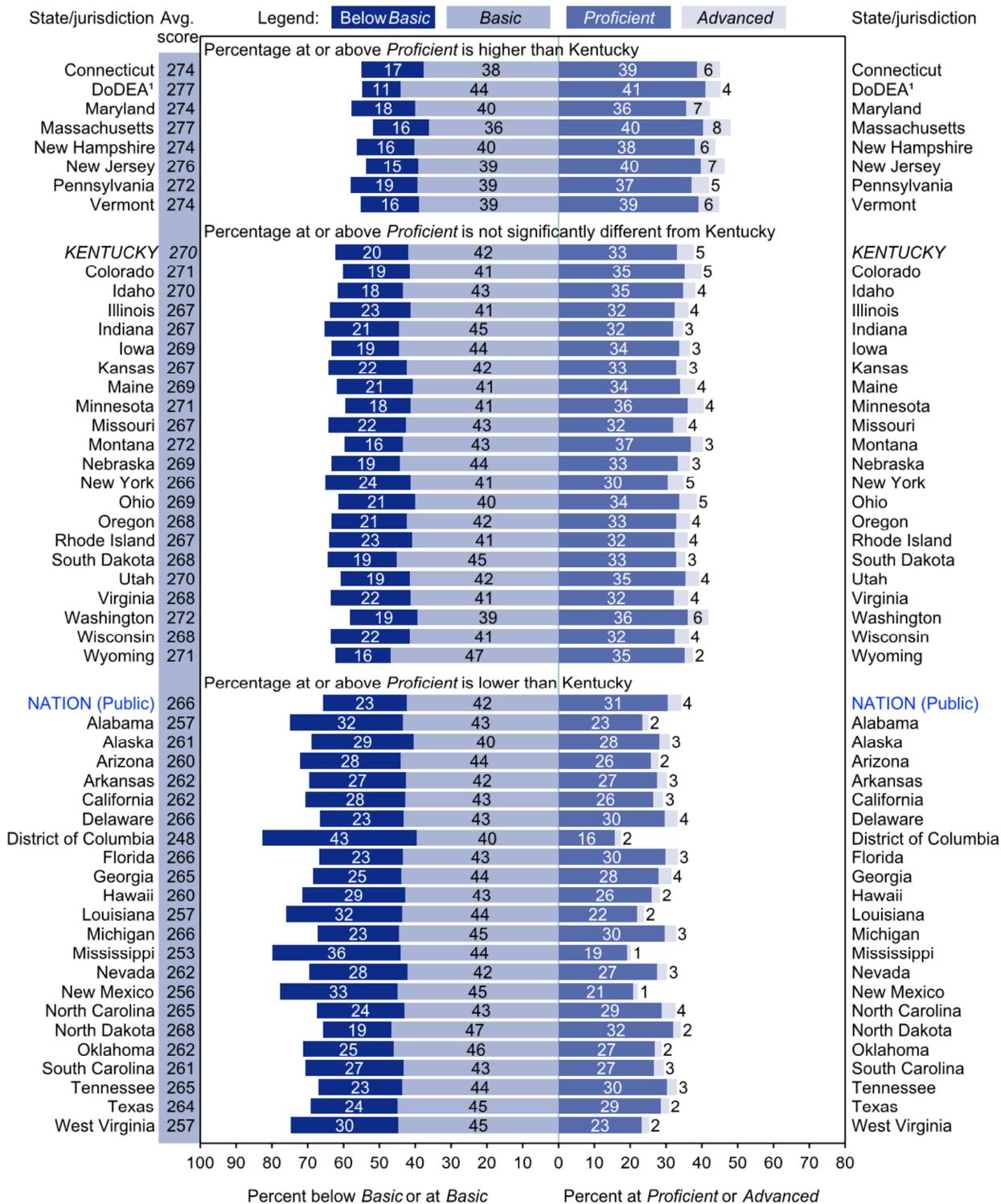
<sup>1</sup> Department of Defense Education Activity (overseas and domestic schools).  
 NOTE: The bars above contain percentages of students in each NAEP reading achievement level. Achievement levels corresponding to each population of students are aligned at the point where the *Proficient* category begins, so that they may be compared at *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), 2013 Reading Assessment.

# NAEP 2013 Reading Report for Kentucky (Embargoed)

## The Nation's Report Card 2013 State Assessment

**Figure 3-B**

Average scale scores in NAEP reading for eighth-grade public school students, percentage within each achievement level, and Kentucky's percentage at or above *Proficient* compared with the nation and other participating states/jurisdictions: 2013



<sup>1</sup> Department of Defense Education Activity (overseas and domestic schools).

NOTE: The bars above contain percentages of students in each NAEP reading achievement level. Achievement levels corresponding to each population of students are aligned at the point where the *Proficient* category begins, so that they may be compared at *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), 2013 Reading Assessment.

## Reading Performance of Selected Student Groups

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

- ε race/ethnicity
- ε gender
- ε student eligibility for the National School Lunch Program
- ε type of school location (for 2007, 2009, 2011, and 2013)
- ε parents' highest level of education

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

Results by students' race/ethnicity and gender include statements about score point differences between student groups (e.g., between White and Black or White and Hispanic students, or between male and female students) in 2013 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 2013 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 <http://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:

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

Students who identified with more than one of the other five categories were classified as "Other" and were 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 in 2011 so that 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:

- ε White
- ε Black or African American
- ε Hispanic
- ε Asian
- ε American Indian/Alaska Native
- ε Native Hawaiian/Other Pacific Islander
- ε Two or more races

As in earlier years, students identified as Hispanic were classified as Hispanic in 2011 and 2013 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" in 2011 and 2013.

When comparing the results for racial/ethnic groups prior to 2011, data for Asian and Native Hawaiian/Other Pacific Islander students are combined into a single Asian/Pacific Islander category.

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

**Grade 4 Scale Score Results by Race/Ethnicity**

- ε In 2013, White students in Kentucky had an average scale score that was higher than the average score of Black students, but lower than the average score of Asian/Pacific Islander students, and not significantly different from the average score of Hispanic students.
- ε In 2013, the average scale score of Black students in Kentucky was higher than their respective scores in 1992 and 1994, but not significantly different from their respective scores in 1998, 2002, 2003, 2005, 2007, 2009, and 2011.
- ε In 2013, the average scale scores of Hispanic and Asian/Pacific Islander students in Kentucky were not significantly different from their respective scores in 2009 and 2011.
- ε In 2013, the average scale score of White students in Kentucky was higher than their respective scores in 1992, 1994, 1998, 2002, 2003, and 2005, but not significantly different from their respective scores in 2007, 2009, and 2011.
- ε In 2013, Black students in Kentucky had an average score that was lower than that of White students by 23 points. In 1992, the average score for Black students was lower than that of White students by 18 points.
- ε In 2013, Hispanic students in Kentucky had an average score that was not significantly different from that of White students by 7 points. Data are not reported for Hispanic students in 1992, because reporting standards were not met.

**Grade 4 Achievement-Level Results by Race/Ethnicity**

- ε In 2013 in Kentucky, the percentage of White students performing at or above *Proficient* was greater than the percentage of Black students, but smaller than the percentage of Asian/Pacific Islander students, and not significantly different from the percentage of Hispanic students.
- ε In 2013, the percentage of Black students in Kentucky performing at or above *Proficient* was not significantly different from the percentages of their respective peers in 1992, 1994, 1998, 2002, 2003, 2005, 2007, 2009, and 2011.
- ε In 2013, the percentages of Hispanic and Asian/Pacific Islander students in Kentucky performing at or above *Proficient* were not significantly different from the percentages of their respective peers in 2009 and 2011.
- ε In 2013, the percentage of White students in Kentucky performing at or above *Proficient* was greater than the percentages of their respective peers in 1992, 1994, 1998, 2002, 2003, and 2005, but not significantly different from the percentages of their respective peers in 2007, 2009, and 2011.

# NAEP 2013 Reading Report for Kentucky (Embargoed)

## The Nation's Report Card 2013 State Assessment

**Table  
3-A**

Percentage of fourth-grade public school students, average scale score, and achievement-level results in NAEP reading, by race/ethnicity, year, and jurisdiction: Various years, 1992–2013

Race/ethnicity, year, and jurisdiction	Percentage of students	Average scale score	Percent				
			Below Basic	At or above Basic	At or above Proficient	At Advanced	
<b>White</b>							
1992 <sup>1</sup>	Nation (public)	72*	223*	31*	69*	33*	8*
	Kentucky	90*	214*	40*	60*	24*	4*
1994 <sup>1</sup>	Nation (public)	71*	222*	31*	69*	35*	9*
	Kentucky	88*	214*	41*	59*	27*	6
1998 <sup>1</sup>	Nation (public)	69*	224*	30*	70*	36*	8*
	Kentucky	87*	220*	34*	66*	31*	7
1998	Nation (public)	64*	223*	31*	69*	36*	9*
	Kentucky	88*	220*	35*	65*	31*	7
2002	Nation (public)	60*	227*	26*	74*	39*	9*
	Kentucky	86*	222*	32*	68*	32*	7
2003	Nation (public)	59*	227*	26*	74*	39*	10*
	Kentucky	85*	221*	33*	67*	33*	7
2005	Nation (public)	57*	228*	25*	75*	39*	10*
	Kentucky	85*	222*	33*	67*	33*	8
2007	Nation (public)	56*	230*	23*	77*	42*	10*
	Kentucky	84*	225	29	71	36	9
2009	Nation (public)	54*	229*	23*	77*	41*	10*
	Kentucky	84*	228	25	75	39	9
2011	Nation (public)	52*	230*	23*	77*	42*	10
	Kentucky	84*	226	27	73	37	8
2013	Nation (public)	51	231	21	79	45	11
	Kentucky	80	227	26	74	39	9
<b>Black</b>							
1992 <sup>1</sup>	Nation (public)	18*	191*	69*	31*	8*	1*
	Kentucky	10	196*	63	37	8	1
1994 <sup>1</sup>	Nation (public)	18*	184*	72*	28*	8*	1*
	Kentucky	11	190*	64*	36*	11	2
1998 <sup>1</sup>	Nation (public)	17*	192*	66*	34*	9*	1*
	Kentucky	10	197	62	38	11	1
1998	Nation (public)	16	192*	66*	34*	10*	1*
	Kentucky	10	199	63	37	11	1
2002	Nation (public)	18*	198*	61*	39*	12*	1*
	Kentucky	11	199	60	40	13	2
2003	Nation (public)	17*	197*	61*	39*	12*	2*
	Kentucky	12	202	56	44	16	2
2005	Nation (public)	17*	199*	59*	41*	12*	2*
	Kentucky	11	203	55	45	15	3
2007	Nation (public)	17*	203*	54*	46*	14*	2
	Kentucky	11	203	54	46	14	2
2009	Nation (public)	16*	204	53*	47*	15*	2*
	Kentucky	10	204	55	45	13	1
2011	Nation (public)	16	205	51	49	16	2
	Kentucky	9	210	48	52	19	2
2013	Nation (public)	15	205	50	50	17	2
	Kentucky	11	204	52	48	15	2

See notes at end of table.

# NAEP 2013 Reading Report for Kentucky (Embargoed)

## The Nation's Report Card 2013 State Assessment

**Table  
3-A**

Percentage of fourth-grade public school students, average scale score, and achievement-level results in NAEP reading, by race/ethnicity, year, and jurisdiction: Various years, 1992–2013—Continued

Race/ethnicity, year, and jurisdiction	Percentage of students	Average scale score	Percent				
			Below Basic	At or above Basic	At or above Proficient	At Advanced	
<b>Hispanic</b>							
1992 <sup>1</sup>	Nation (public)	7*	194*	63*	37*	10*	1
	Kentucky	#*	‡	‡	‡	‡	‡
1994 <sup>1</sup>	Nation (public)	7*	186*	68*	32*	11*	2
	Kentucky	1*	‡	‡	‡	‡	‡
1998 <sup>1</sup>	Nation (public)	10*	194*	62*	38*	12*	2
	Kentucky	#*	‡	‡	‡	‡	‡
1998	Nation (public)	14*	192*	64*	36*	12*	2
	Kentucky	#*	‡	‡	‡	‡	‡
2002	Nation (public)	17*	199*	57*	43*	14*	2*
	Kentucky	1*	‡	‡	‡	‡	‡
2003	Nation (public)	18*	199*	57*	43*	14*	2*
	Kentucky	1*	‡	‡	‡	‡	‡
2005	Nation (public)	19*	201*	56*	44*	15*	2*
	Kentucky	2*	‡	‡	‡	‡	‡
2007	Nation (public)	20*	204*	51*	49*	17*	3
	Kentucky	1*	‡	‡	‡	‡	‡
2009	Nation (public)	21*	204*	52*	48*	16*	2
	Kentucky	3*	215	42	58	22	5
2011	Nation (public)	23*	205	50	50	18	2
	Kentucky	3	222	32	68	35	6
2013	Nation (public)	25	207	48	52	19	3
	Kentucky	5	220	32	68	29	7
<b>Asian/Pacific Islander</b>							
1992 <sup>1</sup>	Nation (public)	2*	215*	41*	59*	23*	4*
	Kentucky	#*	‡	‡	‡	‡	‡
1994 <sup>1</sup>	Nation (public)	3*	217*	36*	64*	34*	9
	Kentucky	1*	‡	‡	‡	‡	‡
1998 <sup>1</sup>	Nation (public)	2*	218*	39*	61*	31*	10
	Kentucky	#*	‡	‡	‡	‡	‡
1998	Nation (public)	4	211*	45*	55*	27*	10*
	Kentucky	#*	‡	‡	‡	‡	‡
2002	Nation (public)	4*	223*	31*	69*	36*	9*
	Kentucky	1*	‡	‡	‡	‡	‡
2003	Nation (public)	4*	225*	31*	69*	37*	11*
	Kentucky	1*	‡	‡	‡	‡	‡
2005	Nation (public)	4*	227*	28*	72*	40*	12*
	Kentucky	1*	‡	‡	‡	‡	‡
2007	Nation (public)	5*	231*	24*	76*	45*	14
	Kentucky	1*	‡	‡	‡	‡	‡
2009	Nation (public)	5	234	21	79	48	17
	Kentucky	1	243	15	85	56	22
2011	Nation (public)	5	234	21	79	49	17
	Kentucky	2	249	6	94	67	26
2013	Nation (public)	5	235	21	79	51	18
	Kentucky	2	244	12	88	59	24

See notes at end of table.

# NAEP 2013 Reading Report for Kentucky (Embargoed)

## The Nation's Report Card 2013 State Assessment

**Table  
3-A**

Percentage of fourth-grade public school students, average scale score, and achievement-level results in NAEP reading, by race/ethnicity, year, and jurisdiction: Various years, 1992–2013—  
Continued

Race/ethnicity, year, and jurisdiction	Percentage of students	Average scale score	Percent				
			Below Basic	At or above Basic	At or above Proficient	At Advanced	
<b>American Indian/Alaska Native</b>							
1992 <sup>1</sup>	Nation (public)	1	‡	‡	‡	‡	
	Kentucky	#	‡	‡	‡	‡	
1994 <sup>1</sup>	Nation (public)	1	212	40	60	31	7
	Kentucky	#	‡	‡	‡	‡	‡
1998 <sup>1</sup>	Nation (public)	1*	‡	‡	‡	‡	‡
	Kentucky	#	‡	‡	‡	‡	‡
1998	Nation (public)	1	‡	‡	‡	‡	‡
	Kentucky	#	‡	‡	‡	‡	‡
2002	Nation (public)	1*	207	49	51	22	5
	Kentucky	#	‡	‡	‡	‡	‡
2003	Nation (public)	1	202*	53	47	16*	2
	Kentucky	#	‡	‡	‡	‡	‡
2005	Nation (public)	1	205	51	49	19	3
	Kentucky	#	‡	‡	‡	‡	‡
2007	Nation (public)	1	206	49	51	20	4
	Kentucky	#	‡	‡	‡	‡	‡
2009	Nation (public)	1	206	48	52	22	5
	Kentucky	#	‡	‡	‡	‡	‡
2011	Nation (public)	1	204	51	49	19	4
	Kentucky	#	‡	‡	‡	‡	‡
2013	Nation (public)	1	206	48	52	22	4
	Kentucky	#	‡	‡	‡	‡	‡

# Rounds to zero.

‡ Reporting standards not met.

\* Value is significantly different ( $p < .05$ ) from the value for the same jurisdiction and student group in 2013.

<sup>1</sup> Accommodations were not permitted for this assessment.

NOTE: The NAEP grade 4 reading scale ranges from 0 to 500. Achievement levels correspond to the following points on the NAEP reading scales: below *Basic*, 207 or lower; *Basic*, 208–237; *Proficient*, 238–267; and *Advanced*, 268 and above. At or above *Basic* includes *Basic*, *Proficient*, and *Advanced*. At or above *Proficient* includes *Proficient* and *Advanced*. Black includes African American, Hispanic includes Latino, and Pacific Islander includes Native Hawaiian. Race categories exclude Hispanic origin. Detail may not sum to totals because of rounding. 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, 1992–2013 Reading Assessments.

**Grade 8 Scale Score Results by Race/Ethnicity**

- ε In 2013, White students in Kentucky had an average scale score that was higher than the average scores of Black and Hispanic students.
- ε In 2013, the average scale score of Black students in Kentucky was not significantly different from their respective scores in 1998, 2002, 2003, 2005, 2007, 2009, and 2011.
- ε In 2013, the average scale score of Hispanic students in Kentucky was not significantly different from their respective scores in 2009 and 2011.
- ε In 2013, the average scale score of White students in Kentucky was higher than their respective scores in 1998, 2002, 2003, 2005, 2007, and 2009, but not significantly different from their respective score in 2011.
- ε In 2013, Black students in Kentucky had an average score that was lower than that of White students by 25 points. In 1998, the average score for Black students was lower than that of White students by 19 points.
- ε In 2013, Hispanic students in Kentucky had an average score that was lower than that of White students by 9 points. Data are not reported for Hispanic students in 1998, because reporting standards were not met.

**Grade 8 Achievement-Level Results by Race/Ethnicity**

- ε In 2013 in Kentucky, the percentage of White students performing at or above *Proficient* was greater than the percentage of Black students, but not significantly different from the percentage of Hispanic students.
- ε In 2013, the percentage of Black students in Kentucky performing at or above *Proficient* was not significantly different from the percentages of their respective peers in 1998, 2002, 2003, 2005, 2007, 2009, and 2011.
- ε In 2013, the percentage of White students in Kentucky performing at or above *Proficient* was greater than the percentages of their respective peers in 1998, 2002, 2005, and 2007, but not significantly different from the percentages of their respective peers in 2003, 2009, and 2011.
- ε In 2013, the percentage of Hispanic students in Kentucky performing at or above *Proficient* was not significantly different from the percentages of their respective peers in 2009 and 2011.

# NAEP 2013 Reading Report for Kentucky (Embargoed)

## The Nation's Report Card 2013 State Assessment

**Table  
3-B**

Percentage of eighth-grade public school students, average scale score, and achievement-level results in NAEP reading, by race/ethnicity, year, and jurisdiction: Various years, 1998–2013

Race/ethnicity, year, and jurisdiction		Percentage of students	Average scale score	Percent			
				Below Basic	At or above Basic	At or above Proficient	At Advanced
<b>White</b>							
1998 <sup>1</sup>	Nation (public)	68*	269*	20*	80*	38*	3*
	Kentucky	89*	264*	24*	76*	31*	2*
1998	Nation (public)	68*	268*	21*	79*	37*	3*
	Kentucky	89*	264*	24*	76*	32*	2*
2002	Nation (public)	64*	271*	17*	83*	39*	3*
	Kentucky	90*	267*	21	79	33*	2*
2003	Nation (public)	61*	270*	18*	82*	39*	4*
	Kentucky	87*	269*	19	81	36	3*
2005	Nation (public)	60*	269*	19*	81*	37*	3*
	Kentucky	88*	266*	23*	77*	32*	3*
2007	Nation (public)	58*	270*	17*	83*	38*	3*
	Kentucky	84	264*	24*	76*	30*	3*
2009	Nation (public)	57*	271*	17*	83*	39*	3*
	Kentucky	85	269*	19	81	35	3*
2011	Nation (public)	54	272*	16*	84*	41*	4*
	Kentucky	84	271	18	82	39	4
2013	Nation (public)	53	275	15	85	44	5
	Kentucky	83	272	17	83	41	5
<b>Black</b>							
1998 <sup>1</sup>	Nation (public)	15	241*	51*	49*	11*	#
	Kentucky	10	242	47	53	9	#
1998	Nation (public)	16	242*	50*	50*	11*	#
	Kentucky	9	246	45	55	11	#
2002	Nation (public)	15	244*	46*	54*	13*	#
	Kentucky	8	248	44	56	14	#
2003	Nation (public)	17*	244*	47*	53*	12*	#*
	Kentucky	10	245	46	54	14	1
2005	Nation (public)	17*	242*	49*	51*	11*	#*
	Kentucky	9	248	42	58	15	#
2007	Nation (public)	17*	244*	46*	54*	12*	#*
	Kentucky	12	247	45	55	14	1
2009	Nation (public)	16	245*	44*	56*	13*	#*
	Kentucky	10	249	40	60	15	1
2011	Nation (public)	16	248*	42*	58*	14*	1
	Kentucky	10	248	42	58	13	#
2013	Nation (public)	15	250	40	60	16	1
	Kentucky	10	247	44	56	15	1

See notes at end of table.

# NAEP 2013 Reading Report for Kentucky (Embargoed)

## The Nation's Report Card 2013 State Assessment

**Table  
3-B**

Percentage of eighth-grade public school students, average scale score, and achievement-level results in NAEP reading, by race/ethnicity, year, and jurisdiction: Various years, 1998–2013—Continued

Race/ethnicity, year, and jurisdiction		Percentage of students	Average scale score	Percent			
				Below Basic	At or above Basic	At or above Proficient	At Advanced
<b>Hispanic</b>							
1998 <sup>1</sup>	Nation (public)	12*	243*	47*	53*	14*	#*
	Kentucky	#*	‡	‡	‡	‡	‡
1998	Nation (public)	12*	241*	48*	52*	13*	#
	Kentucky	#*	‡	‡	‡	‡	‡
2002	Nation (public)	15*	245*	44*	56*	14*	#*
	Kentucky	#*	‡	‡	‡	‡	‡
2003	Nation (public)	15*	244*	46*	54*	14*	1
	Kentucky	1*	‡	‡	‡	‡	‡
2005	Nation (public)	17*	245*	45*	55*	14*	1*
	Kentucky	1*	‡	‡	‡	‡	‡
2007	Nation (public)	18*	246*	43*	57*	14*	1*
	Kentucky	2*	‡	‡	‡	‡	‡
2009	Nation (public)	20*	248*	41*	59*	16*	1
	Kentucky	2*	265	21	79	30	2
2011	Nation (public)	22*	251*	37*	63*	18*	1
	Kentucky	3	264	25	75	30	2
2013	Nation (public)	23	255	33	67	21	1
	Kentucky	4	263	27	73	30	4
<b>Asian/Pacific Islander</b>							
1998 <sup>1</sup>	Nation (public)	3*	265	25	75	32*	3*
	Kentucky	1	‡	‡	‡	‡	‡
1998	Nation (public)	4	261	27	73	30*	3*
	Kentucky	1	‡	‡	‡	‡	‡
2002	Nation (public)	4*	265*	25*	75*	34*	3*
	Kentucky	1	‡	‡	‡	‡	‡
2003	Nation (public)	4*	268*	22*	78*	38*	5*
	Kentucky	1	‡	‡	‡	‡	‡
2005	Nation (public)	4*	270*	21*	79*	39*	5*
	Kentucky	1	‡	‡	‡	‡	‡
2007	Nation (public)	5*	269*	21*	79*	40*	5*
	Kentucky	1	‡	‡	‡	‡	‡
2009	Nation (public)	5	273*	18	82	44*	6*
	Kentucky	1	‡	‡	‡	‡	‡
2011	Nation (public)	5	275*	18*	82*	46	8
	Kentucky	1	‡	‡	‡	‡	‡
2013	Nation (public)	5	279	15	85	50	9
	Kentucky	1	‡	‡	‡	‡	‡

See notes at end of table.

# NAEP 2013 Reading Report for Kentucky (Embargoed)

## The Nation's Report Card 2013 State Assessment

**Table  
3-B**

Percentage of eighth-grade public school students, average scale score, and achievement-level results in NAEP reading, by race/ethnicity, year, and jurisdiction: Various years, 1998–2013—Continued

Race/ethnicity, year, and jurisdiction	Percentage of students	Average scale score	Percent			
			Below Basic	At or above Basic	At or above Proficient	At Advanced
<b>American Indian/Alaska Native</b>						
1998 <sup>1</sup> Nation (public)	#*	‡	‡	‡	‡	‡
Kentucky	#	‡	‡	‡	‡	‡
1998 Nation (public)	#*	‡	‡	‡	‡	‡
Kentucky	#	‡	‡	‡	‡	‡
2002 Nation (public)	1	252	36	64	18	1
Kentucky	#	‡	‡	‡	‡	‡
2003 Nation (public)	1	248	41	59	18	1
Kentucky	#	‡	‡	‡	‡	‡
2005 Nation (public)	1	251	39	61	18	1
Kentucky	#	‡	‡	‡	‡	‡
2007 Nation (public)	1	248*	42	58	19	2
Kentucky	#	‡	‡	‡	‡	‡
2009 Nation (public)	1	252	37	63	21	2
Kentucky	#	‡	‡	‡	‡	‡
2011 Nation (public)	1	253	36	64	22	2
Kentucky	#	‡	‡	‡	‡	‡
2013 Nation (public)	1	252	37	63	19	1
Kentucky	#	‡	‡	‡	‡	‡

# Rounds to zero.

‡ Reporting standards not met.

\* Value is significantly different ( $p < .05$ ) from the value for the same jurisdiction and student group in 2013.

<sup>1</sup> Accommodations were not permitted for this assessment.

NOTE: The NAEP grade 8 reading scale ranges from 0 to 500. Achievement levels correspond to the following points on the NAEP reading scales: below *Basic*, 242 or lower; *Basic*, 243–280; *Proficient*, 281–322; and *Advanced*, 323 and above. At or above *Basic* includes *Basic*, *Proficient*, and *Advanced*. At or above *Proficient* includes *Proficient* and *Advanced*. Black includes African American, Hispanic includes Latino, and Pacific Islander includes Native Hawaiian. Race categories exclude Hispanic origin. Detail may not sum to totals because of rounding. 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, 1998–2013 Reading Assessments.

Tables 4-A and 4-B show average scale scores and percentage of students by achievement-level data for the seven racial/ethnic categories used in 2011 and 2013: White, Black, Hispanic, Asian, American Indian/Alaska Native, Native Hawaiian/Other Pacific Islander, and Two or more races at grades 4 and 8 in Kentucky and the nation, by race/ethnicity.

# NAEP 2013 Reading Report for Kentucky (Embargoed)

## The Nation's Report Card 2013 State Assessment

**Table  
4-A**

Percentage of fourth-grade public school students, average scale score, and achievement-level results in NAEP reading, by race/ethnicity, year, and jurisdiction: 2011 and 2013

Race/ethnicity, year, and jurisdiction	Percentage of students	Average scale score	Percent				
			Below Basic	At or above Basic	At or above Proficient	At Advanced	
<b>White</b>							
2011	Nation (public)	52 *	230 *	23 *	77 *	42 *	10
	Kentucky	84 *	226	27	73	37	8
2013	Nation (public)	51	231	21	79	45	11
	Kentucky	80	227	26	74	39	9
<b>Black</b>							
2011	Nation (public)	16	205	51	49	16	2
	Kentucky	9	210	48	52	19	2
2013	Nation (public)	15	205	50	50	17	2
	Kentucky	11	204	52	48	15	2
<b>Hispanic</b>							
2011	Nation (public)	23 *	205	50	50	18	2
	Kentucky	3	222	32	68	35	6
2013	Nation (public)	25	207	48	52	19	3
	Kentucky	5	220	32	68	29	7
<b>Asian</b>							
2011	Nation (public)	5	236	19	81	51	18
	Kentucky	1	250	5	95	69	27
2013	Nation (public)	5	237	19	81	53	18
	Kentucky	2	243	13	87	56	23
<b>American Indian/Alaska Native</b>							
2011	Nation (public)	1	204	51	49	19	4
	Kentucky	#	‡	‡	‡	‡	‡
2013	Nation (public)	1	206	48	52	22	4
	Kentucky	#	‡	‡	‡	‡	‡
<b>Native Hawaiian/Other Pacific Islander</b>							
2011	Nation (public)	#	214	40	60	27	5
	Kentucky	#	‡	‡	‡	‡	‡
2013	Nation (public)	#	210	44	56	25	5
	Kentucky	#	‡	‡	‡	‡	‡
<b>Two or more races</b>							
2011	Nation (public)	2 *	225	29	71	37	10
	Kentucky	2 *	233	20	80	44	11
2013	Nation (public)	3	225	29	71	39	10
	Kentucky	3	221	36	64	35	11

# Rounds to zero.

‡ Reporting standards not met.

\* Value is significantly different ( $p < .05$ ) from the value for the same jurisdiction and student group in 2013.

NOTE: The NAEP grade 4 reading scale ranges from 0 to 500. Achievement levels correspond to the following points on the NAEP reading scales: below *Basic*, 207 or lower; *Basic*, 208–237; *Proficient*, 238–267; and *Advanced*, 268 and above. At or above *Basic* includes *Basic*, *Proficient*, and *Advanced*. At or above *Proficient* includes *Proficient* and *Advanced*. Black includes African American and Hispanic includes Latino. Race categories exclude Hispanic origin. Detail may not sum to totals because of rounding. 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), 2011 and 2013 Reading Assessments.

# NAEP 2013 Reading Report for Kentucky (Embargoed)

## The Nation's Report Card 2013 State Assessment

**Table  
4-B**

Percentage of eighth-grade public school students, average scale score, and achievement-level results in NAEP reading, by race/ethnicity, year, and jurisdiction: 2011 and 2013

Race/ethnicity, year, and jurisdiction	Percentage of students	Average scale score	Percent				
			Below Basic	At or above Basic	At or above Proficient	At Advanced	
<b>White</b>							
2011	Nation (public)	54	272 *	16 *	84 *	41 *	4 *
	Kentucky	84	271	18	82	39	4
2013	Nation (public)	53	275	15	85	44	5
	Kentucky	83	272	17	83	41	5
<b>Black</b>							
2011	Nation (public)	16	248 *	42 *	58 *	14 *	1
	Kentucky	10	248	42	58	13	#
2013	Nation (public)	15	250	40	60	16	1
	Kentucky	10	247	44	56	15	1
<b>Hispanic</b>							
2011	Nation (public)	22 *	251 *	37 *	63 *	18 *	1
	Kentucky	3	264	25	75	30	2
2013	Nation (public)	23	255	33	67	21	1
	Kentucky	4	263	27	73	30	4
<b>Asian</b>							
2011	Nation (public)	5	277 *	16	84	48	8
	Kentucky	1	‡	‡	‡	‡	‡
2013	Nation (public)	5	280	14	86	52	10
	Kentucky	1	‡	‡	‡	‡	‡
<b>American Indian/Alaska Native</b>							
2011	Nation (public)	1	253	36	64	22	2
	Kentucky	#	‡	‡	‡	‡	‡
2013	Nation (public)	1	252	37	63	19	1
	Kentucky	#	‡	‡	‡	‡	‡
<b>Native Hawaiian/Other Pacific Islander</b>							
2011	Nation (public)	#	251	39	61	21	2
	Kentucky	#	‡	‡	‡	‡	‡
2013	Nation (public)	#	258	31	69	27	1
	Kentucky	#	‡	‡	‡	‡	‡
<b>Two or more races</b>							
2011	Nation (public)	2 *	267	23	77	36	4
	Kentucky	1	‡	‡	‡	‡	‡
2013	Nation (public)	2	269	21	79	38	5
	Kentucky	2	266	23	77	32	4

# Rounds to zero.

‡ Reporting standards not met.

\* Value is significantly different ( $p < .05$ ) from the value for the same jurisdiction and student group in 2013.

NOTE: The NAEP grade 8 reading scale ranges from 0 to 500. Achievement levels correspond to the following points on the NAEP reading scales: below *Basic*, 242 or lower; *Basic*, 243–280; *Proficient*, 281–322; and *Advanced*, 323 and above. At or above *Basic* includes *Basic*, *Proficient*, and *Advanced*. At or above *Proficient* includes *Proficient* and *Advanced*. Black includes African American and Hispanic includes Latino. Race categories exclude Hispanic origin. Detail may not sum to totals because of rounding. 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), 2011 and 2013 Reading Assessments.

## Gender

Information on student gender is reported by the student's school when rosters of the students eligible to be assessed are submitted to NAEP.

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

### **Grade 4 Scale Score Results by Gender**

- ε In 2013, male students in Kentucky had an average score in reading (221) that was lower than that of female students (228). In 1992, male students in Kentucky had an average score in reading (209) that was lower than that of female students (216).
- ε In 2013, male students in Kentucky had an average scale score in reading (221) that was higher than that of male students in public schools across the nation (217). Similarly, female students in Kentucky had an average scale score (228) that was higher than that of female students across the nation (224).
- ε In Kentucky, the average scale score of male students in 2013 was higher than the scores of male students in 1992, 1994, 1998, 2002, and 2003, but not significantly different from the scores of male students in 2005, 2007, 2009, and 2011.
- ε In Kentucky, the average scale score of female students in 2013 was higher than the scores of female students in 1992, 1994, 1998, 2002, 2003, and 2005, but not significantly different from the scores of female students in 2007, 2009, and 2011.

### **Grade 4 Achievement-Level Results by Gender**

- ε In the 2013 assessment, 32 percent of male students and 40 percent of female students performed at or above *Proficient* in Kentucky. The difference between these percentages was statistically significant.
- ε The percentage of male students in Kentucky's public schools who were at or above *Proficient* in 2013 (32 percent) was not significantly different from that of male students in the nation (31 percent).
- ε The percentage of female students in Kentucky's public schools who were at or above *Proficient* in 2013 (40 percent) was not significantly different from that of female students in the nation (37 percent).
- ε In Kentucky, the percentage of male students performing at or above *Proficient* in 2013 was greater than the corresponding percentages of students in 1992, 1994, 2002, and 2003, but not significantly different from the corresponding percentages of students in 1998, 2005, 2007, 2009, and 2011.
- ε In Kentucky, the percentage of female students performing at or above *Proficient* in 2013 was greater than the corresponding percentages of students in 1992, 1994, 1998, 2003, and 2005, but not significantly different from the corresponding percentages of students in 2002, 2007, 2009, and 2011.

# NAEP 2013 Reading Report for Kentucky (Embargoed)

## The Nation's Report Card 2013 State Assessment

**Table  
5-A**

Percentage of fourth-grade public school students, average scale score, and achievement-level results in NAEP reading, by gender, year, and jurisdiction: Various years, 1992–2013

Gender, year, and jurisdiction		Percentage of students	Average scale score	Percent			
				Below Basic	At or above Basic	At or above Proficient	At Advanced
<b>Male</b>							
1992 <sup>1</sup>	Nation (public)	51	211 *	44 *	56 *	24 *	5 *
	Kentucky	53	209 *	46 *	54 *	21 *	3 *
1994 <sup>1</sup>	Nation (public)	51	207 *	47 *	53 *	24 *	6
	Kentucky	51	206 *	49 *	51 *	22 *	4 *
1998 <sup>1</sup>	Nation (public)	50	212 *	43 *	57 *	27 *	6
	Kentucky	50	216 *	39 *	61 *	27 *	5
1998	Nation (public)	50	210 *	45 *	55 *	25 *	5 *
	Kentucky	50	216 *	39 *	61 *	28	5
2002	Nation (public)	51	214 *	41 *	59 *	26 *	5 *
	Kentucky	52	215 *	41 *	59 *	25 *	5
2003	Nation (public)	51	213 *	42 *	58 *	26 *	6 *
	Kentucky	49	215 *	40 *	60 *	27 *	5
2005	Nation (public)	50 *	214 *	41 *	59 *	27 *	6 *
	Kentucky	52	218	38 *	62 *	29	6
2007	Nation (public)	50 *	216 *	38 *	62 *	29 *	6 *
	Kentucky	49	219	35	65	30	7
2009	Nation (public)	51	216 *	38 *	62 *	28 *	6 *
	Kentucky	50	222	31	69	32	7
2011	Nation (public)	51	217	37	63	30 *	6
	Kentucky	50	223	31	69	33	7
2013	Nation (public)	51	217	36	64	31	7
	Kentucky	51	221	32	68	32	7
<b>Female</b>							
1992 <sup>1</sup>	Nation (public)	49	219 *	35 *	65 *	30 *	7 *
	Kentucky	47	216 *	38 *	62 *	25 *	4 *
1994 <sup>1</sup>	Nation (public)	49	218 *	36 *	64 *	32 *	8
	Kentucky	49	217 *	38 *	62 *	29 *	8
1998 <sup>1</sup>	Nation (public)	50	218 *	36 *	64 *	31 *	7 *
	Kentucky	50	220 *	35 *	65 *	31 *	8
1998	Nation (public)	50	215 *	40 *	60 *	30 *	7 *
	Kentucky	50	219 *	37 *	63 *	30 *	7
2002	Nation (public)	49	220 *	35 *	65 *	33 *	8 *
	Kentucky	48	224 *	30	70	35	8
2003	Nation (public)	49	220 *	35 *	65 *	33 *	8 *
	Kentucky	51	223 *	32 *	68 *	34 *	8
2005	Nation (public)	50 *	220 *	34 *	66 *	33 *	8 *
	Kentucky	48	222 *	32 *	68 *	33 *	9
2007	Nation (public)	50 *	223 *	31 *	69 *	35 *	9 *
	Kentucky	51	226	28	72	37	10
2009	Nation (public)	49	223 *	31 *	69 *	35 *	9 *
	Kentucky	50	229	25	75	40	10
2011	Nation (public)	49	223	30	70	35 *	9
	Kentucky	50	227	26	74	38	9
2013	Nation (public)	49	224	30	70	37	9
	Kentucky	49	228	26	74	40	10

\* Value is significantly different ( $p < .05$ ) from the value for the same jurisdiction and student group in 2013.

<sup>1</sup> Accommodations were not permitted for this assessment.

NOTE: The NAEP grade 4 reading scale ranges from 0 to 500. Achievement levels correspond to the following points on the NAEP reading scales: below *Basic*, 207 or lower; *Basic*, 208–237; *Proficient*, 238–267; and *Advanced*, 268 and above. At or above *Basic* includes *Basic*, *Proficient*, and *Advanced*. At or above *Proficient* includes *Proficient* and *Advanced*. Detail may not sum to totals because of rounding. 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, 1992–2013 Reading Assessments.

### **Grade 8 Scale Score Results by Gender**

- ε In 2013, male students in Kentucky had an average score in reading (266) that was lower than that of female students (273). This performance gap was narrower than that of 1998 (14 points).
- ε In 2013, male students in Kentucky had an average scale score in reading (266) that was higher than that of male students in public schools across the nation (261). However, female students in Kentucky had an average scale score (273) that was not significantly different from that of female students across the nation (271).
- ε In Kentucky, the average scale score of male students in 2013 was higher than the scores of male students in 1998, 2002, 2003, 2005, 2007, and 2009, but not significantly different from the score of male students in 2011.
- ε In Kentucky, the average scale score of female students in 2013 was higher than the scores of female students in 2002 and 2007, but not significantly different from the scores of female students in 1998, 2003, 2005, 2009, and 2011.

### **Grade 8 Achievement-Level Results by Gender**

- ε In the 2013 assessment, 34 percent of male students and 41 percent of female students performed at or above *Proficient* in Kentucky. The difference between these percentages was statistically significant.
- ε The percentage of male students in Kentucky's public schools who were at or above *Proficient* in 2013 (34 percent) was greater than that of male students in the nation (29 percent).
- ε The percentage of female students in Kentucky's public schools who were at or above *Proficient* in 2013 (41 percent) was not significantly different from that of female students in the nation (40 percent).
- ε In Kentucky, the percentage of male students performing at or above *Proficient* in 2013 was greater than the corresponding percentages of students in 1998, 2002, 2003, 2005, 2007, and 2009, but not significantly different from the percentage of students in 2011.
- ε In Kentucky, the percentage of female students performing at or above *Proficient* in 2013 was greater than the corresponding percentages of students in 2005 and 2007, but not significantly different from the corresponding percentages of students in 1998, 2002, 2003, 2009, and 2011.

# NAEP 2013 Reading Report for Kentucky (Embargoed)

## The Nation's Report Card 2013 State Assessment

**Table  
5-B**

Percentage of eighth-grade public school students, average scale score, and achievement-level results in NAEP reading, by gender, year, and jurisdiction: Various years, 1998–2013

Gender, year, and jurisdiction		Percentage of students	Average scale score	Percent			
				Below Basic	At or above Basic	At or above Proficient	At Advanced
<b>Male</b>							
1998 <sup>1</sup>	Nation (public)	51	255*	35*	65*	24*	1*
	Kentucky	51	255*	33*	67*	22*	1*
1998	Nation (public)	51	253*	36*	64*	23*	1*
	Kentucky	52	256*	33*	67*	23*	1*
2002	Nation (public)	50	258*	30*	70*	26*	2*
	Kentucky	50	261*	26	74	27*	1*
2003	Nation (public)	50*	256*	33*	67*	25*	2*
	Kentucky	50	261*	27	73	27*	2
2005	Nation (public)	50*	255*	34*	66*	24*	2*
	Kentucky	50	258*	30*	70*	25*	2
2007	Nation (public)	50*	256*	32*	68*	24*	1*
	Kentucky	48*	257*	31*	69*	23*	2
2009	Nation (public)	50*	258*	30*	70*	26*	2*
	Kentucky	50	263*	26	74	29*	2
2011	Nation (public)	51*	259*	30*	70*	27*	2*
	Kentucky	50	264	25	75	31	2
2013	Nation (public)	51	261	27	73	29	2
	Kentucky	51	266	23	77	34	3
<b>Female</b>							
1998 <sup>1</sup>	Nation (public)	49	268*	21*	79*	37	3*
	Kentucky	49	269	19	81	37	3*
1998	Nation (public)	49	268*	21*	79*	37*	3*
	Kentucky	48	269	19	81	38	3*
2002	Nation (public)	50	267*	21*	79*	36*	3*
	Kentucky	50	270*	18	82	37	3*
2003	Nation (public)	50*	267*	23*	77*	35*	4*
	Kentucky	50	272	17	83	40	4
2005	Nation (public)	50*	266*	24*	76*	34*	3*
	Kentucky	50	270	19	81	36*	4
2007	Nation (public)	50*	266*	23*	77*	34*	3*
	Kentucky	52*	266*	23*	77*	32*	4*
2009	Nation (public)	50*	267*	22*	78*	35*	3*
	Kentucky	50	271	16	84	38	4*
2011	Nation (public)	49*	268*	21*	79*	36*	4*
	Kentucky	50	274	16	84	42	4
2013	Nation (public)	49	271	19	81	40	5
	Kentucky	49	273	18	82	41	6

\* Value is significantly different ( $p < .05$ ) from the value for the same jurisdiction and student group in 2013.

<sup>1</sup> Accommodations were not permitted for this assessment.

NOTE: The NAEP grade 8 reading scale ranges from 0 to 500. Achievement levels correspond to the following points on the NAEP reading scales: below *Basic*, 242 or lower; *Basic*, 243–280; *Proficient*, 281–322; and *Advanced*, 323 and above. At or above *Basic* includes *Basic*, *Proficient*, and *Advanced*. At or above *Proficient* includes *Proficient* and *Advanced*. Detail may not sum to totals because of rounding. 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, 1998–2013 Reading Assessments.

## Student Eligibility for the National School Lunch Program

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 results for this category of students are included as an indicator of low 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.

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

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

- ⌘ In 2013, students in Kentucky eligible for free/reduced-price lunch had an average reading scale score of 213. This was lower than that of students in Kentucky not eligible for this program (237).
- ⌘ In 2013, students in Kentucky who were eligible for free/reduced-price school lunch had an average score that was lower than that of students who were not eligible by 23 points. In 1998, the average score for students in Kentucky who were eligible for free/reduced-price school lunch was lower than the score of those not eligible by 21 points.
- ⌘ Students in Kentucky eligible for free/reduced-price lunch had an average scale score (213) in 2013 that was higher than that of students in the nation who were eligible (207).
- ⌘ In Kentucky, students eligible for free/reduced-price lunch had an average reading scale score in 2013 that was higher than that of eligible students in 1998, 2002, and 2003, but not significantly different from that of eligible students in 2005, 2007, 2009, and 2011.

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

- ⌘ In Kentucky, 23 percent of students who were eligible for free/reduced-price lunch and 51 percent of those who were not eligible for this program performed at or above *Proficient* in 2013. These percentages were significantly different from one another.
- ⌘ For students in Kentucky in 2013 who were eligible for free/reduced-price lunch, the percentage at or above *Proficient* (23 percent) was greater than the corresponding percentage for their counterparts around the nation (20 percent).
- ⌘ In Kentucky, the percentage of students eligible for free/reduced-price lunch who performed at or above *Proficient* in 2013 was greater than the percentage in 1998, but not significantly different from the corresponding percentages in 2002, 2003, 2005, 2007, 2009, and 2011.

# NAEP 2013 Reading Report for Kentucky (Embargoed)

## The Nation's Report Card 2013 State Assessment

**Table  
6-A**

Percentage of fourth-grade public school students, average scale score, and achievement-level results in NAEP reading, by National School Lunch Program eligibility status, year, and jurisdiction: Various years, 1998–2013

Eligibility status, year, and jurisdiction		Percentage of students	Average scale score	Percent			
				Below Basic	At or above Basic	At or above Proficient	At Advanced
<b>Eligible</b>							
1998 <sup>1</sup>	Nation (public)	38 *	198 *	58 *	42 *	13 *	1 *
	Kentucky	47	204 *	51 *	49 *	15 *	2
1998	Nation (public)	41 *	195 *	61 *	39 *	12 *	1 *
	Kentucky	46	206 *	51 *	49 *	17 *	2
2002	Nation (public)	43 *	202 *	54 *	46 *	16 *	2
	Kentucky	49	209 *	46 *	54 *	19	3
2003	Nation (public)	44 *	201 *	56 *	44 *	15 *	2 *
	Kentucky	50	209 *	47 *	53 *	21	3
2005	Nation (public)	45 *	203 *	54 *	46 *	15 *	2 *
	Kentucky	49	212	44	56	22	4
2007	Nation (public)	45 *	205 *	50 *	50 *	17 *	2 *
	Kentucky	52	212	43	57	21	3
2009	Nation (public)	47 *	206 *	49 *	51 *	17 *	2 *
	Kentucky	50	215	39	61	24	4
2011	Nation (public)	52 *	207	48 *	52 *	18 *	2
	Kentucky	54	216	39	61	23	3
2013	Nation (public)	54	207	47	53	20	3
	Kentucky	52	213	41	59	23	4
<b>Not eligible</b>							
1998 <sup>1</sup>	Nation (public)	54 *	226 *	28 *	72 *	39 *	10 *
	Kentucky	52	229 *	24 *	76 *	41 *	10
1998	Nation (public)	51 *	226 *	28 *	72 *	39 *	10 *
	Kentucky	53	227 *	26 *	74 *	39 *	10
2002	Nation (public)	50 *	229 *	24 *	76 *	41 *	10 *
	Kentucky	49	229 *	24 *	76 *	40 *	9 *
2003	Nation (public)	52 *	229 *	25 *	75 *	41 *	11 *
	Kentucky	47	229 *	24 *	76 *	41 *	10
2005	Nation (public)	53 *	230 *	23 *	77 *	42 *	11 *
	Kentucky	50	228 *	26 *	74 *	39 *	11
2007	Nation (public)	54 *	232 *	21 *	79 *	44 *	12 *
	Kentucky	48	234	20	80	46	14
2009	Nation (public)	52 *	232 *	21 *	79 *	45 *	12 *
	Kentucky	50	236	17	83	49	13
2011	Nation (public)	47 *	234 *	18 *	82 *	48 *	13 *
	Kentucky	46	236	16	84	50	13
2013	Nation (public)	46	236	17	83	51	14
	Kentucky	48	237	16	84	51	14

See notes at end of table.

# NAEP 2013 Reading Report for Kentucky (Embargoed)

## The Nation's Report Card 2013 State Assessment

**Table  
6-A**

Percentage of fourth-grade public school students, average scale score, and achievement-level results in NAEP reading, by National School Lunch Program eligibility status, year, and jurisdiction: Various years, 1998–2013—Continued

Eligibility status, year, and jurisdiction	Percentage of students	Average scale score	Percent				
			Below Basic	At or above Basic	At or above Proficient	At Advanced	
<b>Information not available</b>							
1998 <sup>1</sup>	Nation (public)	7 *	225	30	70	38	10
	Kentucky	1	‡	‡	‡	‡	‡
1998	Nation (public)	7 *	219	35	65	33	9
	Kentucky	1	‡	‡	‡	‡	‡
2002	Nation (public)	7 *	217	38 *	62 *	30	7
	Kentucky	2	211	48	52	23	3
2003	Nation (public)	4 *	219	35	65	33	8
	Kentucky	2	225	32	68	35	9
2005	Nation (public)	2 *	218	38 *	62 *	32	8
	Kentucky	#	‡	‡	‡	‡	‡
2007	Nation (public)	1 *	220	34	66	33	9
	Kentucky	#	‡	‡	‡	‡	‡
2009	Nation (public)	1	219	38	62	31	9
	Kentucky	#	‡	‡	‡	‡	‡
2011	Nation (public)	1	224	29	71	34	10
	Kentucky	#	‡	‡	‡	‡	‡
2013	Nation (public)	1	232	23	77	45	14
	Kentucky	#	‡	‡	‡	‡	‡

# Rounds to zero.

‡ Reporting standards not met.

\* Value is significantly different ( $p < .05$ ) from the value for the same jurisdiction and student group in 2013.

<sup>1</sup> Accommodations were not permitted for this assessment.

NOTE: The NAEP grade 4 reading scale ranges from 0 to 500. Achievement levels correspond to the following points on the NAEP reading scales: below *Basic*, 207 or lower; *Basic*, 208–237; *Proficient*, 238–267; and *Advanced*, 268 and above. At or above *Basic* includes *Basic*, *Proficient*, and *Advanced*. At or above *Proficient* includes *Proficient* and *Advanced*. Detail may not sum to totals because of rounding. 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, 1998–2013 Reading Assessments.

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

- ε In 2013, students in Kentucky eligible for free/reduced-price lunch had an average reading scale score of 258. This was lower than that of students in Kentucky not eligible for this program (281).
- ε In 2013, students in Kentucky who were eligible for free/reduced-price school lunch had an average score that was lower than that of students who were not eligible by 23 points. In 1998, the average score for students in Kentucky who were eligible for free/reduced-price school lunch was lower than the score of those not eligible by 20 points.
- ε Students in Kentucky eligible for free/reduced-price lunch had an average scale score (258) in 2013 that was higher than that of students in the nation who were eligible (254).
- ε In Kentucky, students eligible for free/reduced-price lunch had an average reading scale score in 2013 that was higher than that of eligible students in 1998, 2002, and 2007, but not significantly different from that of eligible students in 2003, 2005, 2009, and 2011.

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

- ε In Kentucky, 25 percent of students who were eligible for free/reduced-price lunch and 50 percent of those who were not eligible for this program performed at or above *Proficient* in 2013. These percentages were significantly different from one another.
- ε For students in Kentucky in 2013 who were eligible for free/reduced-price lunch, the percentage at or above *Proficient* (25 percent) was greater than the corresponding percentage for their counterparts around the nation (20 percent).
- ε In Kentucky, the percentage of students eligible for free/reduced-price lunch who performed at or above *Proficient* in 2013 was greater than the corresponding percentages in 1998, 2002, and 2007, but not significantly different from the corresponding percentages in 2003, 2005, 2009, and 2011.

# NAEP 2013 Reading Report for Kentucky (Embargoed)

## The Nation's Report Card 2013 State Assessment

**Table  
6-B**

Percentage of eighth-grade public school students, average scale score, and achievement-level results in NAEP reading, by National School Lunch Program eligibility status, year, and jurisdiction: Various years, 1998–2013

Eligibility status, year, and jurisdiction		Percentage of students	Average scale score	Percent			
				Below Basic	At or above Basic	At or above Proficient	At Advanced
<b>Eligible</b>							
1998 <sup>1</sup>	Nation (public)	30*	246*	44*	56*	15*	#
	Kentucky	40*	251*	38*	62*	18*	1
1998	Nation (public)	30*	245*	45*	55*	14*	#*
	Kentucky	39*	251*	38*	62*	20*	1
2002	Nation (public)	34*	249*	40*	60*	17*	1*
	Kentucky	40*	253*	35	65	17*	1
2003	Nation (public)	36*	246*	44*	56*	15*	1*
	Kentucky	42*	257	31	69	23	1
2005	Nation (public)	39*	247*	43*	57*	15*	1*
	Kentucky	45	256	33	67	22	1
2007	Nation (public)	40*	247*	42*	58*	15*	1*
	Kentucky	48	252*	36*	64*	17*	1
2009	Nation (public)	43*	249*	40*	60*	16*	1*
	Kentucky	47	257	31	69	21	1
2011	Nation (public)	48*	251*	37*	63*	18*	1
	Kentucky	51	260	29	71	25	2
2013	Nation (public)	49	254	34	66	20	1
	Kentucky	49	258	31	69	25	2
<b>Not eligible</b>							
1998 <sup>1</sup>	Nation (public)	58*	269*	20*	80*	38*	3*
	Kentucky	57*	270*	18*	82*	38*	3*
1998	Nation (public)	58*	268*	21*	79*	37*	3*
	Kentucky	58*	270*	18*	82*	38*	3*
2002	Nation (public)	57*	271*	17*	83*	40*	3*
	Kentucky	57*	273*	14	86	41*	3*
2003	Nation (public)	58*	271*	18*	82*	39*	4*
	Kentucky	56*	273*	15*	85*	41*	4*
2005	Nation (public)	59*	270*	19*	81*	38*	4*
	Kentucky	53	271*	18*	82*	38*	4*
2007	Nation (public)	58*	271*	18*	82*	39*	4*
	Kentucky	52	271*	18*	82*	38*	4*
2009	Nation (public)	56*	273*	16*	84*	41*	4*
	Kentucky	53	276*	12	88	44*	4*
2011	Nation (public)	52*	275*	15*	85*	44*	5*
	Kentucky	49	278	12	88	48	5*
2013	Nation (public)	50	278	13	87	48	6
	Kentucky	51	281	11	89	50	8

See notes at end of table.

# NAEP 2013 Reading Report for Kentucky (Embargoed)

## The Nation's Report Card 2013 State Assessment

**Table  
6-B**

Percentage of eighth-grade public school students, average scale score, and achievement-level results in NAEP reading, by National School Lunch Program eligibility status, year, and jurisdiction: Various years, 1998–2013—Continued

Eligibility status, year, and jurisdiction	Percentage of students	Average scale score	Percent				
			Below Basic	At or above Basic	At or above Proficient	At Advanced	
<b>Information not available</b>							
1998 <sup>1</sup>	Nation (public)	12 *	265	25	75	35	4
	Kentucky	3	262	25	75	24	1
1998	Nation (public)	11 *	264	27 *	73 *	34	3
	Kentucky	4	259	27	73	25	1
2002	Nation (public)	10 *	264	25	75	32 *	4
	Kentucky	3	276	11	89	44	4
2003	Nation (public)	6 *	262 *	28 *	72 *	31 *	3
	Kentucky	2	‡	‡	‡	‡	‡
2005	Nation (public)	3 *	258 *	31 *	69 *	28 *	3
	Kentucky	1	‡	‡	‡	‡	‡
2007	Nation (public)	1 *	255 *	34 *	66 *	27 *	3
	Kentucky	#	‡	‡	‡	‡	‡
2009	Nation (public)	1 *	259 *	31 *	69 *	29 *	3
	Kentucky	#	‡	‡	‡	‡	‡
2011	Nation (public)	#	265	27	73	32	5
	Kentucky	#	‡	‡	‡	‡	‡
2013	Nation (public)	#	276	18	82	47	8
	Kentucky	#	‡	‡	‡	‡	‡

# Rounds to zero.

‡ Reporting standards not met.

\* Value is significantly different ( $p < .05$ ) from the value for the same jurisdiction and student group in 2013.

<sup>1</sup> Accommodations were not permitted for this assessment.

NOTE: The NAEP grade 8 reading scale ranges from 0 to 500. Achievement levels correspond to the following points on the NAEP reading scales: below *Basic*, 242 or lower; *Basic*, 243–280; *Proficient*, 281–322; and *Advanced*, 323 and above. At or above *Basic* includes *Basic*, *Proficient*, and *Advanced*. At or above *Proficient* includes *Proficient* and *Advanced*. Detail may not sum to totals because of rounding. 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, 1998–2013 Reading Assessments.

## Type of Location

Schools that participated in the assessment were classified as being located in four mutually exclusive types of communities: city, suburb, town, and rural. These categories indicate the geographic locations of schools. "City" is a geographical term meaning the principal city of a U.S. Census Bureau-defined Core-Based Statistical Area and is not synonymous with "inner city." The criteria for classifying schools with respect to type of location changed for 2007; therefore, only results for 2007, 2009, 2011, and 2013 are available. More detail on the changes for the classification of type of location is available at [http://nces.ed.gov/ccd/Rural\\_Locales.asp](http://nces.ed.gov/ccd/Rural_Locales.asp).

Tables 7-A and 7-B show average scale scores and percentage of students by achievement-level data for public school students at grades 4 and 8 in Kentucky and the nation, by type of location (for 2007, 2009, 2011, and 2013 only).

### **Grade 4 Scale Score Results by Type of Location**

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

### **Grade 4 Achievement-Level Results by Type of Location**

- ε In 2013, the percentage of students in Kentucky's public schools in city locations who performed at or above *Proficient* was not significantly different from the corresponding percentages of students in suburban, town, and rural schools.
- ε The percentages of students in Kentucky's public schools in city, suburban, town, and rural locations who performed at or above *Proficient* in 2013 were not significantly different from those of students in city, suburban, town, and rural locations in the nation.
- ε The percentages of students in Kentucky's public schools in city, suburban, town, and rural locations who performed at or above *Proficient* in 2013 were not significantly different from those of students in city, suburban, town, and rural locations in 2007, 2009, and 2011 in Kentucky.

# NAEP 2013 Reading Report for Kentucky (Embargoed)

## The Nation's Report Card 2013 State Assessment

**Table  
7-A**

Percentage of fourth-grade public school students, average scale score, and achievement-level results in NAEP reading, by type of location, year, and jurisdiction: Various years, 2007–2013

Type of location, year, and jurisdiction	Percentage of students	Average scale score	Percent				
			Below Basic	At or above Basic	At or above Proficient	At Advanced	
<b>City</b>							
2007	Nation (public)	29	213	43	57	25*	6
	Kentucky	24	221	34	66	32	9
2009	Nation (public)	30	214	42	58	26*	6
	Kentucky	21	222	34	66	33	8
2011	Nation (public)	29	213	42	58	26	6
	Kentucky	20	225	29	71	36	8
2013	Nation (public)	29	214	40	60	28	7
	Kentucky	20	218	37	63	30	7
<b>Suburb</b>							
2007	Nation (public)	37*	224	29	71	37*	9
	Kentucky	15	227	26	74	39	11
2009	Nation (public)	36*	224	30	70	36*	9
	Kentucky	15	233	21	79	45	12
2011	Nation (public)	36*	225	29	71	37	9
	Kentucky	14	232	21	79	44	10
2013	Nation (public)	35	225	29	71	39	10
	Kentucky	16	226	28	72	38	10
<b>Town</b>							
2007	Nation (public)	12	218	35	65	29*	6
	Kentucky	15	220	34	66	31	6
2009	Nation (public)	12	217	36*	64*	28*	5*
	Kentucky	20	224	29	71	35	7
2011	Nation (public)	12*	217	36	64	29*	5
	Kentucky	20	222	32	68	32	6
2013	Nation (public)	11	219	33	67	32	6
	Kentucky	18	223	31	69	34	7
<b>Rural</b>							
2007	Nation (public)	22*	222	31	69	33*	7
	Kentucky	46	223	31	69	33	8
2009	Nation (public)	22*	222	31	69	33*	7*
	Kentucky	44	226	27	73	35	8
2011	Nation (public)	23*	223	30	70	35	7
	Kentucky	46	224	28	72	34	7
2013	Nation (public)	25	223	29	71	35	8
	Kentucky	46	227	25	75	39	9

\* Value is significantly different ( $p < .05$ ) from the value for the same jurisdiction and student group in 2013.

NOTE: The NAEP grade 4 reading scale ranges from 0 to 500. Achievement levels correspond to the following points on the NAEP reading scales: below *Basic*, 207 or lower; *Basic*, 208–237; *Proficient*, 238–267; and *Advanced*, 268 and above. At or above *Basic* includes *Basic*, *Proficient*, and *Advanced*. At or above *Proficient* includes *Proficient* and *Advanced*. Detail may not sum to totals because of rounding. 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, 2007–2013 Reading Assessments.

## **Grade 8 Scale Score Results by Type of Location**

- ε In 2013, the average scale score of students in Kentucky attending public schools in city locations was lower than the score of students in suburban schools, but was not significantly different from the scores of students in town and rural schools.
- ε In 2013, students attending public schools in city and town locations in Kentucky had average scale scores that were higher than the average scale scores of students in city and town locations in the nation.
- ε In 2013, students attending public schools in suburban and rural locations in Kentucky had average scale scores that were not significantly different from the average scale scores of students in suburban and rural locations in the nation.
- ε In 2013, students attending public schools in town and rural locations in Kentucky had average scale scores that were higher than the average scale scores of students in town and rural locations in 2007 in Kentucky, but not significantly different from the average scale scores of students in town and rural locations in 2009 and 2011 in Kentucky.
- ε In 2013, students attending public schools in city and suburban locations in Kentucky had average scale scores that were not significantly different from the average scale scores of students in city and suburban locations in 2007, 2009, and 2011 in Kentucky.

## **Grade 8 Achievement-Level Results by Type of Location**

- ε In 2013, the percentage of students in Kentucky's public schools in city locations who performed at or above *Proficient* was not significantly different from the corresponding percentages of students in suburban, town, and rural schools.
- ε The percentage of students in Kentucky's public schools in city locations who performed at or above *Proficient* in 2013 was greater than those of students in city locations in the nation.
- ε The percentages of students in Kentucky's public schools in suburban, town, and rural locations who performed at or above *Proficient* in 2013 were not significantly different from those of students in suburban, town, and rural locations in the nation.
- ε The percentages of students in Kentucky's public schools in suburban, town, and rural locations who performed at or above *Proficient* in 2013 were greater than those of students in suburban, town, and rural locations in 2007 in Kentucky, but not significantly different from those of students in suburban, town, and rural locations in 2009 and 2011 in Kentucky.
- ε The percentage of students in Kentucky's public schools in city locations who performed at or above *Proficient* in 2013 was not significantly different from that of students in city locations in 2007, 2009, and 2011 in Kentucky.

# NAEP 2013 Reading Report for Kentucky (Embargoed)

## The Nation's Report Card 2013 State Assessment

**Table  
7-B**

Percentage of eighth-grade public school students, average scale score, and achievement-level results in NAEP reading, by type of location, year, and jurisdiction: Various years, 2007–2013

Type of location, year, and jurisdiction	Percentage of students	Average scale score	Percent				
			Below Basic	At or above Basic	At or above Proficient	At Advanced	
<b>City</b>							
2007	Nation (public)	28	254 *	36 *	64 *	23 *	2 *
	Kentucky	22	262	29	71	30	4
2009	Nation (public)	27	256 *	34 *	66 *	24 *	2 *
	Kentucky	21	262	28	72	30	2
2011	Nation (public)	29	257 *	32 *	68 *	26 *	2
	Kentucky	19	264	26	74	31	2
2013	Nation (public)	28	260	30	70	28	3
	Kentucky	20	266	26	74	35	5
<b>Suburb</b>							
2007	Nation (public)	36	265 *	24 *	76 *	34 *	3 *
	Kentucky	15	267	21	79	32 *	4
2009	Nation (public)	36	266 *	23 *	77 *	35 *	3 *
	Kentucky	13	275	14	86	43	4
2011	Nation (public)	36	267 *	22 *	78 *	36 *	4 *
	Kentucky	16	269	20	80	37	3
2013	Nation (public)	35	270	20	80	39	5
	Kentucky	17	274	17	83	44	6
<b>Town</b>							
2007	Nation (public)	13	261 *	27	73	28 *	2 *
	Kentucky	28	260 *	29 *	71 *	26 *	2
2009	Nation (public)	14	261 *	27	73	28 *	2 *
	Kentucky	21	267	20	80	34	2
2011	Nation (public)	13	263	25	75	30	2
	Kentucky	25	268	20	80	35	2
2013	Nation (public)	13	263	25	75	31	2
	Kentucky	24	269	19	81	36	4
<b>Rural</b>							
2007	Nation (public)	22	264 *	24 *	76 *	31 *	2 *
	Kentucky	35	261 *	26 *	74 *	26 *	2 *
2009	Nation (public)	23	264 *	23 *	77 *	31 *	2 *
	Kentucky	45	267	20	80	32	2
2011	Nation (public)	23	266 *	22	78	33 *	3 *
	Kentucky	40	271	18	82	39	4
2013	Nation (public)	24	268	21	79	36	3
	Kentucky	40	270	20	80	38	4

\* Value is significantly different ( $p < .05$ ) from the value for the same jurisdiction and student group in 2013.

NOTE: The NAEP grade 8 reading scale ranges from 0 to 500. Achievement levels correspond to the following points on the NAEP reading scales: below *Basic*, 242 or lower; *Basic*, 243–280; *Proficient*, 281–322; and *Advanced*, 323 and above. At or above *Basic* includes *Basic*, *Proficient*, and *Advanced*. At or above *Proficient* includes *Proficient* and *Advanced*. Detail may not sum to totals because of rounding. 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, 2007–2013 Reading Assessments.

## Parents' Highest Level of Education

Eighth-grade students who participated in the NAEP 2013 assessment were asked to indicate the highest level of education they thought their father and their mother had completed. Five response options—did not finish high school, graduated from high school, some education after high school, graduated from college, and "I don't know"—were offered. The highest level of education reported for either parent was used in the analysis. Fourth-graders were not asked about their parents' education level because their responses in previous NAEP assessments were not reliable, and a large percentage of them chose the "I don't know" option.

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

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

- ε In 2013, students in Kentucky 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: some education after high school, graduated from high school, and did not finish high school.
- ε In 2013, the average scale scores for students in Kentucky who reported that a parent had some education after high school or had graduated from high school were higher than the corresponding scores of students in the nation.
- ε In 2013, the average scale scores for students in Kentucky who reported that a parent had graduated from college or had not finished high school were not significantly different from the corresponding scores of students in the nation.
- ε In 2013, the average scale score for students in Kentucky who reported that a parent had graduated from college was higher than the score of students in 2005 and 2007, but not significantly different from the score of students in 1998, 2002, 2003, 2009, and 2011.
- ε In 2013, the average scale score for students in Kentucky who reported that a parent had some education after high school was higher than the score of students in 2007, but not significantly different from the score of students in 1998, 2002, 2003, 2005, 2009, and 2011.
- ε In 2013, the average scale scores for students in Kentucky who reported that a parent had graduated from high school or had not finished high school were not significantly different from the corresponding scores of students in 1998, 2002, 2003, 2005, 2007, 2009, and 2011.

### **Grade 8 Achievement-Level Results by Parents' Highest Level of Education**

- ε In 2013, the percentage of students performing at or above *Proficient* in Kentucky 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: some education after high school, graduated from high school, and did not finish high school.
- ε In 2013, the percentage of students in Kentucky reporting that a parent had graduated from high school and who performed at or above *Proficient* was greater than the percentage of students in the nation.
- ε In 2013, the percentages of students in Kentucky reporting that a parent had graduated from college, had some education after high school, or had not finished high school and who performed at or above *Proficient* were not significantly different from the corresponding percentages of students in the nation.
- ε In 2013 in Kentucky, the percentage of students reporting that a parent had graduated from college and who performed at or above *Proficient* was greater than the percentage of students in 2007, but was not significantly different from the percentage of students in 1998, 2002, 2003, 2005, 2009, and 2011.
- ε In 2013 in Kentucky, the respective percentages of students reporting that a parent had some education after high school, had graduated from high school, or had not finished high school and who performed at or above *Proficient* were not significantly different from the corresponding percentages of students in 1998, 2002, 2003, 2005, 2007, 2009, and 2011.

# NAEP 2013 Reading Report for Kentucky (Embargoed)

## The Nation's Report Card 2013 State Assessment

**Table  
8**

Percentage of eighth-grade public school students, average scale score, and achievement-level results in NAEP reading, by highest parental education level, year, and jurisdiction: Various years, 1998–2013

Highest parental education level, year, and jurisdiction	Percentage of students	Average scale score	Percent			
			Below Basic	At or above Basic	At or above Proficient	At Advanced
<b>Did not finish high school</b>						
1998 <sup>1</sup> Nation (public)	8	242 *	49 *	51 *	11 *	#
Kentucky	11 *	246	43	57	15	#
1998 Nation (public)	8	242 *	49 *	51 *	11 *	#
Kentucky	11 *	248	42	58	16	#
2002 Nation (public)	7 *	247 *	42 *	58 *	14	#
Kentucky	9 *	252	36	64	14	#
2003 Nation (public)	7 *	245 *	45 *	55 *	13 *	#
Kentucky	9	252	35	65	18	1
2005 Nation (public)	8	244 *	47 *	53 *	12 *	#
Kentucky	8	250	40	60	14	1
2007 Nation (public)	8	245 *	44 *	56 *	12 *	#
Kentucky	9 *	247	43	57	10	1
2009 Nation (public)	8	247 *	41 *	59 *	14 *	#
Kentucky	8	248	41	59	13	1
2011 Nation (public)	8	247 *	41 *	59 *	13 *	#
Kentucky	7	257	31	69	21	1
2013 Nation (public)	8	250	37	63	16	#
Kentucky	7	252	37	63	17	1
<b>Graduated from high school</b>						
1998 <sup>1</sup> Nation (public)	23 *	253	36	64	21	1
Kentucky	29 *	256	33	67	20	1
1998 Nation (public)	23 *	253	36	64	20	1
Kentucky	29 *	257	31	69	21	1
2002 Nation (public)	18 *	256	31	69	21	1
Kentucky	25 *	260	27	73	24	1
2003 Nation (public)	18 *	253 *	35 *	65 *	19	1
Kentucky	24 *	261	26	74	26	1
2005 Nation (public)	18 *	252 *	37 *	63 *	18 *	1
Kentucky	23 *	257	31	69	22	1
2007 Nation (public)	17 *	252 *	36 *	64 *	18 *	1
Kentucky	22 *	257	31	69	20	1
2009 Nation (public)	17 *	253 *	34	66	18 *	1
Kentucky	21	262	24	76	26	1
2011 Nation (public)	17	254	34	66	20	1
Kentucky	21	262	27	73	27	2
2013 Nation (public)	16	255	33	67	20	1
Kentucky	19	260	28	72	27	2

See notes at end of table.

# NAEP 2013 Reading Report for Kentucky (Embargoed)

## The Nation's Report Card 2013 State Assessment

**Table  
8**

Percentage of eighth-grade public school students, average scale score, and achievement-level results in NAEP reading, by highest parental education level, year, and jurisdiction: Various years, 1998–2013—Continued

Highest parental education level, year, and jurisdiction	Percentage of students	Average scale score	Percent			
			Below Basic	At or above Basic	At or above Proficient	At Advanced
<b>Some education after high school</b>						
1998 <sup>1</sup> Nation (public)	18*	268	20	80	35	2
Kentucky	20	268	19	81	34	2
1998 Nation (public)	18*	267	22*	78*	34	2
Kentucky	20	270	18	82	36	2
2002 Nation (public)	20*	267*	19	81	33*	2
Kentucky	23*	270	16	84	35	2
2003 Nation (public)	18*	266*	21*	79*	32*	2
Kentucky	20	272	15	85	37	3
2005 Nation (public)	18*	265*	23*	77*	31*	2
Kentucky	23*	269	18	82	34	3
2007 Nation (public)	17*	265*	21*	79*	31*	2*
Kentucky	22	267*	21	79	33	2
2009 Nation (public)	17*	266*	21*	79*	31*	2*
Kentucky	22	271	16	84	36	3
2011 Nation (public)	16*	266*	20*	80*	32*	2
Kentucky	20	270	19	81	37	3
2013 Nation (public)	15	269	18	82	35	3
Kentucky	20	272	15	85	39	4
<b>Graduated from college</b>						
1998 <sup>1</sup> Nation (public)	42*	272*	18*	82*	42*	4*
Kentucky	33*	274	14	86	44	4*
1998 Nation (public)	42*	271*	19*	81*	41*	4*
Kentucky	34*	273	15	85	42	4*
2002 Nation (public)	46*	273*	17*	83*	42*	4*
Kentucky	36*	274	15	85	44	4*
2003 Nation (public)	46*	271*	19*	81*	41*	4*
Kentucky	39*	274	15	85	44	5
2005 Nation (public)	46*	270*	20*	80*	40*	4*
Kentucky	39*	274*	16	84	42	5
2007 Nation (public)	46*	271*	18*	82*	40*	4*
Kentucky	37*	269*	20*	80*	36*	5
2009 Nation (public)	47*	272*	17*	83*	42*	4*
Kentucky	42	274	14	86	42	4*
2011 Nation (public)	48	273*	16*	84*	43*	5*
Kentucky	43	277	14	86	46	5
2013 Nation (public)	49	276	15	85	46	6
Kentucky	45	279	14	86	49	8

See notes at end of table.

# NAEP 2013 Reading Report for Kentucky (Embargoed)

## The Nation's Report Card 2013 State Assessment

**Table  
8**

Percentage of eighth-grade public school students, average scale score, and achievement-level results in NAEP reading, by highest parental education level, year, and jurisdiction: Various years, 1998–2013—Continued

Highest parental education level, year, and jurisdiction	Percentage of students	Average scale score	Percent			
			Below Basic	At or above Basic	At or above Proficient	At Advanced
<b>Unknown</b>						
1998 <sup>1</sup> Nation (public)	10 *	241 *	51 *	49 *	12 *	#
Kentucky	7 *	240 *	51 *	49 *	12	#
1998 Nation (public)	9 *	241 *	49 *	51 *	12 *	#
Kentucky	7 *	237 *	52 *	48 *	11	#
2002 Nation (public)	9 *	246	44	56	14	#
Kentucky	7 *	252	35	65	16	#
2003 Nation (public)	11 *	242 *	48 *	52 *	13 *	#
Kentucky	8	247	43	57	16	1
2005 Nation (public)	11 *	242 *	49 *	51 *	12 *	#
Kentucky	8	242 *	47	53	13	#
2007 Nation (public)	11	243 *	47 *	53 *	12 *	1
Kentucky	9	251	39	61	17	1
2009 Nation (public)	11	243 *	47 *	53 *	13 *	#
Kentucky	8	250	41	59	17	#
2011 Nation (public)	11 *	245 *	45 *	55 *	14 *	1
Kentucky	7 *	254	37	63	20	#
2013 Nation (public)	12	248	41	59	16	1
Kentucky	9	254	35	65	20	1

# Rounds to zero.

\* Value is significantly different ( $p < .05$ ) from the value for the same jurisdiction and student group in 2013.

<sup>1</sup> Accommodations were not permitted for this assessment.

NOTE: The NAEP grade 8 reading scale ranges from 0 to 500. Achievement levels correspond to the following points on the NAEP reading scales: below *Basic*, 242 or lower; *Basic*, 243–280; *Proficient*, 281–322; and *Advanced*, 323 and above. At or above *Basic* includes *Basic*, *Proficient*, and *Advanced*. At or above *Proficient* includes *Proficient* and *Advanced*. Detail may not sum to totals because of rounding. 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, 1998–2013 Reading Assessments.

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

To ensure that the samples are representative, NAEP has established policies and procedures to maximize the inclusion of all students in the assessment. Every effort is made to ensure that all selected students who are capable of participating meaningfully in the assessment are assessed. While some students with disabilities (SD) and/or English language learners (ELL) can be assessed without any special procedures, others require accommodations to participate in NAEP. Still other SD and/or ELL students selected by NAEP may not be able to participate. Local school staff who are familiar with these students are asked a series of questions to help them decide whether each student should participate in the assessment and whether the student needs accommodations.

Within any assessment year, exclusion and accommodation rates may vary across jurisdictions. In addition, exclusion and accommodation rates may increase or decrease between assessment administrations, making it difficult to interpret comparisons over time within jurisdictions. Since SD and/or ELL students tend to score below average on assessments, the exclusion of students from these groups may result in a higher average score than if those students had taken the assessment. On the other hand, providing appropriate testing accommodations (e.g., providing extended time for some SD and/or ELL students to take the assessment) removes barriers that would otherwise prevent them from demonstrating their knowledge and skills.

Prior to 1998, testing accommodations were not provided for students with special needs in NAEP state reading assessments. For 1998, 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.

Tables 9-A and 9-B display data for 4<sup>th</sup> and 8<sup>th</sup> grade students in Kentucky who were identified as SD and/or ELL, by whether they were excluded, assessed with accommodations, or assessed under standard conditions, as a percent of all 4<sup>th</sup> or 8<sup>th</sup> grade students in the state.

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

Tables 11-A and 11-B present the percentages of students assessed in Kentucky by ELL status, their average scores, and their performance in terms of the percentages below *Basic*, at or above *Basic*, at or above *Proficient*, and at *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.

# NAEP 2013 Reading Report for Kentucky (Embargoed)

## The Nation's Report Card 2013 State Assessment

**Table  
9-A**

Percentage of fourth-grade public school students identified as students with disabilities (SD) and/or English language learners (ELL) excluded and assessed in NAEP reading as a percentage of all students, by assessment year and testing status: Various years, 1992–2013

Year and testing status		SD and/or ELL		SD		ELL	
		Kentucky	Nation (public)	Kentucky	Nation (public)	Kentucky	Nation (public)
1992 <sup>1</sup>	<b>Identified</b>	8	11	7	8	#	3
	Excluded	4	6	4	5	#	2
	Assessed without accommodations	4	4	4	3	#	1
1994 <sup>1</sup>	<b>Identified</b>	8	14	8	11	#	4
	Excluded	4	6	4	5	#	2
	Assessed without accommodations	4	8	4	6	#	2
1998	<b>Identified</b>	13	18	12	11	1	7
	Excluded	7	7	7	5	#	3
	Assessed without accommodations	3	7	3	4	#	4
	Assessed with accommodations	2	3	2	3	#	1
2002	<b>Identified</b>	12	21	11	13	1	9
	Excluded	8	7	8	5	#	2
	Assessed without accommodations	3	10	2	4	#	6
	Assessed with accommodations	1	4	1	4	#	1
2003	<b>Identified</b>	15	22	14	14	1	10
	Excluded	9	6	8	5	1	2
	Assessed without accommodations	5	10	4	4	#	7
	Assessed with accommodations	1	5	1	5	#	1
2005	<b>Identified</b>	15	23	14	14	2	11
	Excluded	9	7	8	5	1	2
	Assessed without accommodations	3	10	3	4	#	7
	Assessed with accommodations	3	7	3	5	#	2
2007	<b>Identified</b>	17	23	15	14	2	11
	Excluded	8	6	7	5	1	2
	Assessed without accommodations	6	10	5	3	1	7
	Assessed with accommodations	3	7	3	6	#	2
2009	<b>Identified</b>	17	23	15	13	2	11
	Excluded	8	5	7	4	1	2
	Assessed without accommodations	5	9	4	3	1	6
	Assessed with accommodations	4	9	3	7	1	3
2011	<b>Identified</b>	16	23	15	13	2	11
	Excluded	9	4	8	3	1	1
	Assessed without accommodations	4	9	4	3	#	7
	Assessed with accommodations	4	10	3	7	1	4
2013	<b>Identified</b>	15	23	13	14	3	11
	Excluded	3	3	3	2	1	1
	Assessed without accommodations	3	7	2	2	#	5
	Assessed with accommodations	10	13	8	9	2	5

# Rounds to zero.

<sup>1</sup> Accommodations were not permitted for this assessment year.

NOTE: Students identified as both SD and ELL were counted only once under the combined SD and/or ELL category, but were counted separately under the SD and ELL 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, 1992–2013 Reading Assessments.

# NAEP 2013 Reading Report for Kentucky (Embargoed)

## The Nation's Report Card 2013 State Assessment

**Table  
9-B**

Percentage of eighth-grade public school students identified as students with disabilities (SD) and/or English language learners (ELL) excluded and assessed in NAEP reading as a percentage of all students, by assessment year and testing status: Various years, 1998–2013

Year and testing status		SD and/or ELL		SD		ELL	
		Kentucky	Nation (public)	Kentucky	Nation (public)	Kentucky	Nation (public)
1998	<b>Identified</b>	<b>10</b>	<b>14</b>	<b>9</b>	<b>11</b>	<b>1</b>	<b>3</b>
	Excluded	3	4	3	3	#	1
	Assessed without accommodations	4	7	4	5	#	2
	Assessed with accommodations	3	3	3	2	#	#
2002	<b>Identified</b>	<b>12</b>	<b>18</b>	<b>12</b>	<b>13</b>	<b>1</b>	<b>6</b>
	Excluded	7	6	6	5	1	2
	Assessed without accommodations	4	8	4	5	#	4
	Assessed with accommodations	1	4	1	4	#	1
2003	<b>Identified</b>	<b>14</b>	<b>19</b>	<b>13</b>	<b>14</b>	<b>1</b>	<b>6</b>
	Excluded	7	5	7	4	#	2
	Assessed without accommodations	5	8	5	5	1	4
	Assessed with accommodations	1	5	1	5	#	1
2005	<b>Identified</b>	<b>13</b>	<b>19</b>	<b>12</b>	<b>13</b>	<b>1</b>	<b>6</b>
	Excluded	7	5	7	4	#	1
	Assessed without accommodations	3	7	2	3	1	4
	Assessed with accommodations	3	6	3	6	#	1
2007	<b>Identified</b>	<b>14</b>	<b>19</b>	<b>13</b>	<b>13</b>	<b>1</b>	<b>7</b>
	Excluded	8	5	7	5	#	2
	Assessed without accommodations	2	7	2	3	1	4
	Assessed with accommodations	4	7	3	6	#	1
2009	<b>Identified</b>	<b>13</b>	<b>18</b>	<b>12</b>	<b>13</b>	<b>1</b>	<b>6</b>
	Excluded	7	4	7	4	1	1
	Assessed without accommodations	2	6	2	2	#	3
	Assessed with accommodations	4	8	4	7	#	1
2011	<b>Identified</b>	<b>13</b>	<b>18</b>	<b>12</b>	<b>13</b>	<b>1</b>	<b>6</b>
	Excluded	7	3	7	3	1	1
	Assessed without accommodations	1	5	1	2	#	3
	Assessed with accommodations	4	9	4	8	#	2
2013	<b>Identified</b>	<b>13</b>	<b>17</b>	<b>11</b>	<b>13</b>	<b>2</b>	<b>5</b>
	Excluded	3	2	3	2	#	1
	Assessed without accommodations	1	4	1	2	#	2
	Assessed with accommodations	8	11	8	9	1	3

# Rounds to zero.

NOTE: Students identified as both SD and ELL were counted only once under the combined SD and/or ELL category, but were counted separately under the SD and ELL 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, 1998–2013 Reading Assessments.

# NAEP 2013 Reading Report for Kentucky (Embargoed)

## The Nation's Report Card 2013 State Assessment

**Table  
10-A**

Percentage of fourth-grade public school students, average scale score, and achievement-level results in NAEP reading, by students with disabilities (SD) status, year, and jurisdiction: Various years, 1998–2013

SD status, year, and jurisdiction		Percentage of students	Average scale score	Percent			
				Below Basic	At or above Basic	At or above Proficient	At Advanced
<b>SD</b>							
1998	Nation (public)	7*	176	76	24	8	1
	Kentucky	6*	199	58	42	14	1
2002	Nation (public)	8*	187*	71	29	9*	1
	Kentucky	4*	186	74	26	8	3
2003	Nation (public)	10*	184	71	29	9*	1*
	Kentucky	6*	190	67	33	11	3
2005	Nation (public)	10*	190*	67*	33*	11	2
	Kentucky	7*	200*	60	40	14	2
2007	Nation (public)	10*	190*	64*	36*	13*	2*
	Kentucky	8*	200*	56*	44*	18	5
2009	Nation (public)	10*	189*	66*	34*	12	2*
	Kentucky	9*	204*	54*	46*	16	2
2011	Nation (public)	11*	186*	68	32	11	2
	Kentucky	7*	207*	50*	50*	19*	3
2013	Nation (public)	12	184	69	31	11	2
	Kentucky	11	189	67	33	11	2
<b>Not SD</b>							
1998	Nation (public)	93*	216*	40*	60*	29*	7*
	Kentucky	94*	219*	37*	63*	30*	6*
2002	Nation (public)	92*	220*	35*	65*	31*	7*
	Kentucky	96*	220*	34*	66*	30*	6*
2003	Nation (public)	90*	220*	35*	65*	32*	8*
	Kentucky	94*	221*	34*	66*	32*	7*
2005	Nation (public)	90*	220*	34*	66*	32*	7*
	Kentucky	93*	221*	33*	67*	32*	8
2007	Nation (public)	90*	223*	31*	69*	34*	8*
	Kentucky	92*	224*	29*	71*	35	9
2009	Nation (public)	90*	223*	31*	69*	34*	8*
	Kentucky	91*	228	26	74	38	9
2011	Nation (public)	89*	224*	30*	70*	35*	8*
	Kentucky	93*	227	27	73	37	8
2013	Nation (public)	88	226	28	72	37	9
	Kentucky	89	229	24	76	40	9

\* Value is significantly different ( $p < .05$ ) from the value for the same jurisdiction and student group in 2013.

NOTE: The NAEP grade 4 reading scale ranges from 0 to 500. Achievement levels correspond to the following points on the NAEP reading scales: below *Basic*, 207 or lower; *Basic*, 208–237; *Proficient*, 238–267; and *Advanced*, 268 and above. At or above *Basic* includes *Basic*, *Proficient*, and *Advanced*. At or above *Proficient* includes *Proficient* and *Advanced*. Performance comparisons may be affected by differences in exclusion rates for students with disabilities in the NAEP samples and by differences in sample sizes. Detail may not sum to totals because of rounding. 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, 1998–2013 Reading Assessments.

# NAEP 2013 Reading Report for Kentucky (Embargoed)

## The Nation's Report Card 2013 State Assessment

**Table  
10-B**

Percentage of eighth-grade public school students, average scale score, and achievement-level results in NAEP reading, by students with disabilities (SD) status, year, and jurisdiction: Various years, 1998–2013

SD status, year, and jurisdiction		Percentage of students	Average scale score	Percent			
				Below Basic	At or above Basic	At or above Proficient	At Advanced
<b>SD</b>							
1998	Nation (public)	8*	224	69	31	6	#
	Kentucky	7* ‡	‡	‡	‡	‡	‡
2002	Nation (public)	9*	227*	65	35	6*	#*
	Kentucky	5*	229	63	37	5	#
2003	Nation (public)	10*	224*	68*	32*	5*	#*
	Kentucky	6*	229	63	37	7	#
2005	Nation (public)	9*	226*	67*	33*	6*	#*
	Kentucky	6*	225*	67	33	6	#
2007	Nation (public)	9*	226*	66*	34*	7*	#
	Kentucky	6*	230	65	35	7	#
2009	Nation (public)	10*	229*	63	37	8	#
	Kentucky	6*	239	53	47	12	#
2011	Nation (public)	10*	230	64	36	7	#
	Kentucky	5*	245*	49	51	13	1
2013	Nation (public)	11	231	62	38	8	#
	Kentucky	9	235	58	42	9	#
<b>Not SD</b>							
1998	Nation (public)	92*	264*	25*	75*	32*	2*
	Kentucky	93*	265*	23*	77*	32*	2*
2002	Nation (public)	91*	266*	22*	78*	33*	3*
	Kentucky	95*	267*	20	80	33*	2*
2003	Nation (public)	90*	266*	23*	77*	33*	3*
	Kentucky	94*	269*	19	81	35	3*
2005	Nation (public)	91*	264*	25*	75*	31*	3*
	Kentucky	94*	266*	22*	78*	32*	3*
2007	Nation (public)	91*	265*	24*	76*	31*	3*
	Kentucky	94*	264*	24*	76*	29*	3*
2009	Nation (public)	90*	266*	22*	78*	33*	3*
	Kentucky	94*	269*	19	81	35*	3*
2011	Nation (public)	90*	267*	21*	79*	34*	3*
	Kentucky	95*	270*	19	81	38	3*
2013	Nation (public)	89	270	19	81	38	4
	Kentucky	91	273	17	83	41	5

# Rounds to zero.

‡ Reporting standards not met.

\* Value is significantly different ( $p < .05$ ) from the value for the same jurisdiction and student group in 2013.

NOTE: The NAEP grade 8 reading scale ranges from 0 to 500. Achievement levels correspond to the following points on the NAEP reading scales: below *Basic*, 242 or lower; *Basic*, 243–280; *Proficient*, 281–322; and *Advanced*, 323 and above. At or above *Basic* includes *Basic*, *Proficient*, and *Advanced*. At or above *Proficient* includes *Proficient* and *Advanced*. Performance comparisons may be affected by differences in exclusion rates for students with disabilities in the NAEP samples and by differences in sample sizes. Detail may not sum to totals because of rounding. 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, 1998–2013 Reading Assessments.

# NAEP 2013 Reading Report for Kentucky (Embargoed)

## The Nation's Report Card 2013 State Assessment

**Table  
11-A**

Percentage of fourth-grade public school students, average scale score, and achievement-level results in NAEP reading, by English language learner (ELL) status, year, and jurisdiction: Various years, 1998–2013

ELL status, year, and jurisdiction		Percentage of students	Average scale score	Percent			
				Below Basic	At or above Basic	At or above Proficient	At Advanced
<b>ELL</b>							
1998	Nation (public)	5*	174*	79*	21*	6	1
	Kentucky	#*	‡	‡	‡	‡	‡
2002	Nation (public)	7*	183	76*	24*	5	#
	Kentucky	1*	‡	‡	‡	‡	‡
2003	Nation (public)	8*	186	72*	28*	7	1
	Kentucky	#*	‡	‡	‡	‡	‡
2005	Nation (public)	9*	187	73*	27*	7	1
	Kentucky	1*	‡	‡	‡	‡	‡
2007	Nation (public)	9*	188	70	30	7	1
	Kentucky	1	‡	‡	‡	‡	‡
2009	Nation (public)	9*	188	71	29	6	#
	Kentucky	1*	‡	‡	‡	‡	‡
2011	Nation (public)	11	188	70	30	7	1
	Kentucky	1*	‡	‡	‡	‡	‡
2013	Nation (public)	10	187	69	31	7	1
	Kentucky	2	197	59	41	11	1
<b>Not ELL</b>							
1998	Nation (public)	95*	215*	41*	59*	29*	7*
	Kentucky	100*	218*	38*	62*	29*	6*
2002	Nation (public)	93*	219*	35*	65*	32*	7*
	Kentucky	99*	219*	35*	65*	30*	6*
2003	Nation (public)	92*	219*	35*	65*	32*	8*
	Kentucky	100*	219*	36*	64*	31*	7
2005	Nation (public)	91*	220*	34*	66*	32*	7*
	Kentucky	99*	220*	35*	65*	31*	8
2007	Nation (public)	91*	223*	31*	69*	34*	8*
	Kentucky	99	222	32	68	33	8
2009	Nation (public)	91*	223*	31*	69*	34*	8*
	Kentucky	99*	226	28	72	36	8
2011	Nation (public)	89	224	30	70	35*	8
	Kentucky	99*	225	28	72	36	8
2013	Nation (public)	90	225	29	71	37	9
	Kentucky	98	225	28	72	37	9

# Rounds to zero.

‡ Reporting standards not met.

\* Value is significantly different ( $p < .05$ ) from the value for the same jurisdiction and student group in 2013.

NOTE: The NAEP grade 4 reading scale ranges from 0 to 500. Achievement levels correspond to the following points on the NAEP reading scales: below *Basic*, 207 or lower; *Basic*, 208–237; *Proficient*, 238–267; and *Advanced*, 268 and above. At or above *Basic* includes *Basic*, *Proficient*, and *Advanced*. At or above *Proficient* includes *Proficient* and *Advanced*. Performance comparisons may be affected by differences in exclusion rates for English language learners in the NAEP samples and by differences in sample sizes. Detail may not sum to totals because of rounding. 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, 1998–2013 Reading Assessments.

# NAEP 2013 Reading Report for Kentucky (Embargoed)

## The Nation's Report Card 2013 State Assessment

**Table  
11-B**

Percentage of eighth-grade public school students, average scale score, and achievement-level results in NAEP reading, by English language learner (ELL) status, year, and jurisdiction: Various years, 1998–2013

ELL status, year, and jurisdiction		Percentage of students	Average scale score	Percent			
				Below Basic	At or above Basic	At or above Proficient	At Advanced
<b>ELL</b>							
1998	Nation (public)	2*	217*	77	23	3	#
	Kentucky	#	‡	‡	‡	‡	‡
2002	Nation (public)	5	224	71	29	4	#
	Kentucky	#	‡	‡	‡	‡	‡
2003	Nation (public)	5	222	71	29	5	#
	Kentucky	1*	‡	‡	‡	‡	‡
2005	Nation (public)	5	224	71	29	4	#
	Kentucky	1*	‡	‡	‡	‡	‡
2007	Nation (public)	6*	222*	71	29	4	#
	Kentucky	1	‡	‡	‡	‡	‡
2009	Nation (public)	5	219*	75*	25*	3	#
	Kentucky	#*	‡	‡	‡	‡	‡
2011	Nation (public)	5	223	71	29	3	#
	Kentucky	1*	‡	‡	‡	‡	‡
2013	Nation (public)	5	225	70	30	3	#
	Kentucky	1	237	57	43	5	#
<b>Not ELL</b>							
1998	Nation (public)	98*	262*	28*	72*	30*	2*
	Kentucky	100	262*	26*	74*	30*	2*
2002	Nation (public)	95	265*	24*	76*	32*	3*
	Kentucky	100	265*	22	78	32*	2*
2003	Nation (public)	95	263*	25*	75*	31*	3*
	Kentucky	99*	266*	22	78	34*	3*
2005	Nation (public)	95	262*	27*	73*	30*	3*
	Kentucky	99*	264*	25*	75*	31*	3*
2007	Nation (public)	94*	263*	25*	75*	31*	2*
	Kentucky	99	262*	27*	73*	28*	3*
2009	Nation (public)	95	265*	24*	76*	32*	3*
	Kentucky	100*	267*	21	79	33*	3*
2011	Nation (public)	95	266*	23*	77*	33*	3*
	Kentucky	99*	269	20	80	37	3*
2013	Nation (public)	95	268	21	79	36	4
	Kentucky	99	270	20	80	38	5

# Rounds to zero.

‡ Reporting standards not met.

\* Value is significantly different ( $p < .05$ ) from the value for the same jurisdiction and student group in 2013.

NOTE: The NAEP grade 8 reading scale ranges from 0 to 500. Achievement levels correspond to the following points on the NAEP reading scales: below *Basic*, 242 or lower; *Basic*, 243–280; *Proficient*, 281–322; and *Advanced*, 323 and above. At or above *Basic* includes *Basic*, *Proficient*, and *Advanced*. At or above *Proficient* includes *Proficient* and *Advanced*. Performance comparisons may be affected by differences in exclusion rates for English language learners in the NAEP samples and by differences in sample sizes. Detail may not sum to totals because of rounding. 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, 1998–2013 Reading Assessments.

# NAEP 2013 Reading Report for Kentucky (Embargoed)

## The Nation's Report Card 2013 State Assessment

**Table  
12-A**

Number of fourth-grade public school students assessed in NAEP reading and weighted percentage excluded, by state/jurisdiction: 2013

State/jurisdiction	Number assessed	Weighted percentage excluded
<b>Nation (public)</b>	<b>184,000</b>	<b>3</b>
Alabama	3,000	1
Alaska	2,800	1
Arizona	3,200	1
Arkansas	3,200	1
California	8,200	3
Colorado	3,100	2
Connecticut	3,000	2
Delaware	3,100	5
Florida	6,200	3
Georgia	4,700	5
Hawaii	3,100	2
Idaho	3,200	1
Illinois	4,800	1
Indiana	3,000	2
Iowa	2,900	1
Kansas	3,200	2
Kentucky	4,200	3
Louisiana	3,000	1
Maine	3,100	2
Maryland	3,800	13
Massachusetts	4,700	3
Michigan	4,000	4
Minnesota	3,200	3
Mississippi	3,100	1
Missouri	3,200	1
Montana	3,100	3
Nebraska	3,200	4
Nevada	3,200	2
New Hampshire	3,100	3
New Jersey	3,100	2
New Mexico	3,800	1
New York	4,200	1
North Carolina	4,500	2
North Dakota	3,400	4
Ohio	4,200	3
Oklahoma	3,200	2
Oregon	3,200	2
Pennsylvania	4,100	2
Rhode Island	3,200	1
South Carolina	2,900	2
South Dakota	3,200	2
Tennessee	3,100	3
Texas	8,000	5
Utah	3,200	3
Vermont	2,800	1
Virginia	3,100	2
Washington	3,300	3
West Virginia	2,900	2
Wisconsin	4,100	2
Wyoming	3,200	1
Other jurisdictions		
District of Columbia	2,100	2
DoDEA <sup>1</sup>	3,000	6

<sup>1</sup> 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), 2013 Reading Assessment.

# NAEP 2013 Reading Report for Kentucky (Embargoed)

## The Nation's Report Card 2013 State Assessment

**Table  
12-B**

Number of eighth-grade public school students assessed in NAEP reading and weighted percentage excluded, by state/jurisdiction: 2013

State/jurisdiction	Number assessed	Weighted percentage excluded
<b>Nation (public)</b>	<b>166,300</b>	<b>2</b>
Alabama	2,700	1
Alaska	2,600	1
Arizona	2,800	1
Arkansas	2,700	2
California	7,400	3
Colorado	2,800	1
Connecticut	2,700	2
Delaware	2,800	3
Florida	5,600	2
Georgia	4,100	4
Hawaii	2,800	2
Idaho	2,800	2
Illinois	4,400	1
Indiana	2,700	2
Iowa	2,700	1
Kansas	2,900	2
Kentucky	3,700	3
Louisiana	2,700	1
Maine	2,600	2
Maryland	3,500	9
Massachusetts	4,300	2
Michigan	3,600	4
Minnesota	2,600	2
Mississippi	2,800	1
Missouri	2,700	1
Montana	2,700	2
Nebraska	2,700	3
Nevada	2,900	1
New Hampshire	2,800	3
New Jersey	2,800	3
New Mexico	3,400	2
New York	3,800	1
North Carolina	4,000	2
North Dakota	3,200	4
Ohio	3,900	2
Oklahoma	2,700	1
Oregon	2,700	1
Pennsylvania	3,700	2
Rhode Island	2,900	1
South Carolina	2,800	2
South Dakota	2,900	3
Tennessee	2,700	3
Texas	7,500	4
Utah	3,000	3
Vermont	2,800	1
Virginia	2,900	1
Washington	2,700	2
West Virginia	2,800	2
Wisconsin	3,900	2
Wyoming	3,000	1
Other jurisdictions		
District of Columbia	1,800	2
DoDEA <sup>1</sup>	2,200	4

<sup>1</sup> 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), 2013 Reading Assessment.

## Where to Find More Information

### The NAEP Reading Assessment

The latest news about the NAEP 2013 reading assessment and the results can be found on the NAEP website at <http://nces.ed.gov/nationsreportcard/reading/>. The individual snapshot reports for each participating state and other jurisdictions are also available in the state results section of the website at <http://nces.ed.gov/nationsreportcard/states/>.

The *Reading Framework for the 2013 National Assessment of Educational Progress*, on which this assessment is based, is available at the National Assessment Governing Board website at <http://www.nagb.org/content/nagb/assets/documents/publications/frameworks/reading-2013-framework.pdf>.

### The NAEP Data Explorer (NDE)

The interactive database at <http://nces.ed.gov/nationsreportcard/naepdata/> includes student, teacher, and school variables for all participating districts, the nation, and public schools in large cities. Data tables are also available for districts, with all contextual questions cross-tabulated with the major demographic variables. Users can design and create tables and can perform tests of statistical significance at this website.

### Technical Documentation on the Web (TDW)

Technical documentation section of the NAEP website <http://nces.ed.gov/nationsreportcard/tdw/> contains information about the technical procedures and methods of NAEP. The TDW site is organized by topic (from Item Development through Analysis and Scaling) with subtopics, including information specific to a particular assessment. The content is written for researchers and assumes knowledge of educational measurement and testing.

### Publications on the inclusion of students with disabilities and/or English language learners

References for a variety of research publications related to the assessment of students with special needs may be found at <http://nces.ed.gov/nationsreportcard/about/inclusion.asp#research>.

### To order publications

Recent NAEP publications related to reading are listed on the reading page of the NAEP website and are available electronically. Publications can also be ordered from

Education Publications Center (ED Pubs)  
U.S. Department of Education  
P.O. Box 22207  
Alexandria, VA 22304

Call toll free: 1-877-4ED-Pubs (1-877-433-7827)  
TTY/TDD: 1-877-576-7734  
FAX: 1-301-470-1244  
Order online at: <http://www.edpubs.gov>.

<p>The NAEP State Report Generator was developed for the NAEP 2013 reports by Phillip Leung, Bobby Rampey, Rick Hasney, and Ming Kuang.</p>
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## 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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