# NATIONAL ASSESSMENT OF EDUCATIONAL PROGRESS ACHIEVEMENT LEVELS 19992–1998

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National Assessment of Educational Progress National Assessment Governing Board U.S. Department of Education

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National Assessment of Educational Progress Achievement Levels 1992–1998 for Mathematics

> Edited by Susan Cooper Loomis Mary Lyn Bourque July 2001

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# Table of Contents

Understanding Achievement Levels for the Mathematics National Assessment of Educational Progress
Overview of the Framework for the National Assessment of Educational Progress in Mathematics4
Achievement Levels: Descriptions and Cutscores7
Achievement Levels: Sample Items
Performance Data

# Understanding Achievement Levels for the Mathematics National Assessment of Educational Progress

# **Purpose of This Report**

The purpose of this report is to increase understanding of the achievement levels for the National Assessment of Educational Progress (NAEP): what they are, and what they are **not**. The report is a reference for the American public, especially educators, parents, students, and policymakers. Seven booklets make up the report; each booklet focuses on one of the subjects for which NAEP achievement levels have been set. These include mathematics, science, reading, writing, civics, U.S. history, and geography.

The information in this report will be helpful in interpreting accurately the meaning of the *Mathematics* NAEP achievement levels and student performance relative to the levels. The information will also aid in understanding the NAEP reports, commonly known as *The Nation's Report Card*.

# What Is the National Assessment of Educational Progress?

NAEP is a survey of American students' knowledge and skills in different subjects at grades 4, 8, and 12. NAEP combines the samples of performances to provide information about the knowledge and skills of students in the nation as a whole, in each participating state, and in different demographic groupings.

# What Are NAEP Achievement Levels?

Congress authorized the National Assessment Governing Board (NAGB) to set achievement goals for student performance on NAEP. NAGB identified and defined the goals in terms of three levels of achievement: Basic, Proficient, and Advanced. NAEP achievement levels define *what students should know and be able to do* at the Basic, Proficient, and Advanced levels established by NAGB.

There are three parts to NAEP achievement levels: descriptions, cutscores, and sample items. The achievement levels descriptions are statements of what students should know and be able to do at each level. The cutscores represent the minimum score required for performance at each NAEP achievement level and are usually reported along with the percentage of students who scored *at or above* the level. Sample items provide illustrations of student knowledge and skills required within each level of achievement.

# What Constitutes Basic, Proficient, and Advanced Achievement?

Proficient achievement is defined by NAGB as *"solid academic performance* exhibiting competency over challenging subject matter." The Basic and Advanced achievement levels are defined relative to this central level. Basic achievement is performance that exhibits *"partial mastery* over skills fundamental to Proficient performance." Advanced achievement exhibits *superior performance*. Achievement that is less than partial mastery is referred to simply as "below Basic."

# How Good Is Good Enough?

The overall achievement goal for American students is performance that qualifies at the Proficient level or higher. Meeting this goal for the nation as a whole will take time. Competency over challenging subject matter is not easily attained. The average performance score on NAEP in most subjects falls within the Basic achievement level.

# How Should Achievement Levels Be Interpreted?

Unlike most assessments, there are no individual scores on NAEP. Achievement levels define performance, not students. Notice that there is no mention of "at grade level" performance in these achievement goals. In particular, it is important to understand clearly that the Proficient achievement level does not refer to "at grade" performance. Nor is performance at the Proficient level synonymous with "proficiency" in the subject. That is, students who may be considered proficient in a subject, given the common usage of the term, might not satisfy the requirements for performance at the NAEP achievement level. Further, Basic achievement is more than minimal competency. Basic achievement is less than mastery but more than the lowest level of performance on NAEP. Finally, even the best students you know may not meet the requirements for Advanced performance on NAEP.

# How Are the Achievement Levels Developed?

The achievement levels-setting process is carefully designed, implemented, and evaluated with great attention to detail and technical precision. The process of developing achievement levels involves the judgments of informed, well-qualified people from throughout the nation and its territories. Approximately 20 persons served on each of three grade-level panels to develop the Mathematics NAEP achievement levels in 1992. These 60 people included teachers (about 55 percent), other educators (about 15 percent), and members of the general public (about 30 percent). To the extent possible, the panels were proportionally representative of the nation's population with respect to region, race/ethnicity, and gender.

Panelists participate in a five-day process that includes training and instruction to prepare them for the standard-setting tasks. Panelists make three separate sets of judgments regarding student performance on NAEP items, and they receive a variety of feedback information regarding the implications of their judgments. Sophisticated psychometric methods were used to produce the feedback and guide the process.

Highly experienced staff and technical advisors carefully monitor the achievement levels-setting process. Panelists evaluate every conceivable aspect of the process, and their responses are fully

analyzed. Extensive analyses are conducted to determine whether panelists seemed to be making logical, informed judgments and whether similar panelists would make similar judgments. Yet, there is no way of knowing that the standards are "right" because there is no true standard against which to evaluate the panelists' judgments.

# Who Sets the Achievement Levels?

Under the law, the National Assessment Governing Board is the final authority on determining the levels and their use for reporting NAEP performance results. The Board reviews information about the process for setting the achievement levels and panelists' opinions of it. NAGB considers the recommendations of panelists and technical advisors regarding the levels. The Board also considers additional information about student course-taking patterns in the subject area and student performance on other assessments in the subject. NAGB then judges whether the standards are reasonable and makes the final decisions for setting the standards.

The Board decided that the mathematics standards were too stringent. They took account of the statistical imprecision in estimating the cutscores from ratings and adjusted the cutscores. The cutscores for all grades and levels were set one standard error below the original overall composite cutscore computed from panelists' ratings.

The panels for mathematics were convened in March 1992, and NAGB set the Mathematics NAEP Achievement Levels in September 1992. The achievement levels set for the Mathematics NAEP in 1992 were used for reporting results for the 1990<sup>1</sup>, 1996, and 2000 assessments in mathematics. They will be used until NAGB determines that a new framework is needed to guide the development of the assessment. At that time, new achievement levels may be developed and set.

The 1990 Mathematics NAEP data were calibrated with the 1992 data so the cutscores set for 1992 could be used for reporting the 1990 assessment data. In any given year, NAEP data for the current assessment year are calibrated to the data for the previous assessment year to permit direct comparisons of performance.

# **Overview of the Framework** for the National Assessment of Educational Progress in Mathematics

This overview of the Mathematics Framework for the National Assessment of Educational Progress (NAEP) details what the Mathematics NAEP assesses. The framework defines the structure, organization, and general content for the assessment. Many questions must be answered before an assessment can be developed, and answers to those questions are presented in the framework.

# What Is the Mathematics NAEP Framework?

The framework is **the** guide to the assessment.<sup>2</sup> The framework delineates the aspects of mathematics to be assessed and the relative emphasis to be placed on each at each grade level. The framework suggests the mix of items in each content strand for each grade. In addition, the framework suggests the proportional mix of item formats—multiple choice, short constructed-response, and extended constructed response items—to be included at each grade level.

The mathematics achievement levels set in 1992 were based on the framework developed for the 1990 NAEP. The Mathematics NAEP Framework and assessment specifications have changed somewhat since the 1990 assessment. The modifications reflect changes in mathematics curriculum and goals for mathematics education. For example, the conceptual approach for the framework and assessment structure changed. Before 1996, each question or exercise was designed to represent both a content strand (such as algebra or geometry) and a cognitive level (conceptual understanding, procedural knowledge, or problem solving). The current framework, developed in 1996, recognizes that students generally need to draw on knowledge and skills from more than one area of mathematics to answer questions. The 1996 framework also specifies that the assessment include "families" of questions that focus more intensively on a student's understanding of mathematics within a particular content strand or across content strands. Further, the current framework combines communications and connections with the cognitive skills identified for the Mathematics NAEP (conceptual understanding, procedural knowledge, and problem solving).

Results of studies showed that 1990 and 1992 assessments of student performance developed under the earlier version of the Mathematics NAEP Framework and assessments developed according to the 1996 version could be reported on the same scale and compared from one assessment year to another.

# How Was the Framework Developed?

A national consensus process was used to develop the content of the framework documents for the NAEP. Panels of content experts, practitioners, and professionals in related fields developed

<sup>&</sup>lt;sup>2</sup>Frameworks are available on the Internet at *www.nagb.org.* Printed copies of the framework for Mathematics and for other NAEP subjects are available from the National Assessment Governing Board. Copies are also available through the U.S. Department of Education's ED Pubs information center at 1–877–4ED–Pubs.

the Mathematics NAEP Framework to reflect the input collected through the consensus process. The consensus committees were broad-based groups of mathematicians, educators, and other interested citizens.

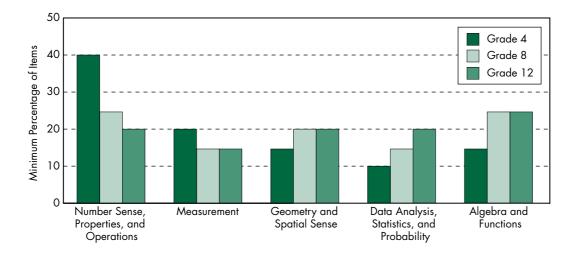
The original framework committee gave special attention to state objectives and frameworks from throughout the country. They also incorporated ideas from draft versions of the National Council of Teachers of Mathematics standards being developed at the same time. In revising the original framework, a steering committee reviewed the direction and scope of the project, and a planning committee drafted the new framework. Both committees considered the status of national reform efforts in mathematics, evaluations of NAEP, and the fit between the Mathematics NAEP and mathematics education. The committees conducted several studies from which recommendations were derived. A national review of the recommendations was conducted by mail, and focus groups were held in six states throughout the country to gather input on the recommendations.

## What Are the Components of the Assessment Framework?

*Content Strands.* Five mathematical content strands are identified for the Mathematics NAEP. For each content strand, several more specific subtopics are identified for the assessments. The appropriate grade level(s) for assessing the subtopics is noted as well. The content strands are:

- Number Sense, Properties, and Operations.
- Measurement.
- Geometry and Spatial Sense.
- Data Analysis, Statistics, and Probability.
- Algebra and Functions.

Figure 1 shows the percentage of content strands assessed at each grade level. The percentages of items in each content strand are the minimum recommended for each grade level, and each item may fit into more than one strand.



# Figure 1. Content Strands Assessed in the Mathematics NAEP, by Grade Level

*Mathematical Abilities.* The original framework identified conceptual understanding, procedural knowledge, and problem solving as primary abilities to be assessed. In the 1996 framework, these abilities are a means of providing balance to the overall assessment. At each grade level, assessment items are developed such that students will likely use roughly equal amounts of conceptual understanding, procedural knowledge, and problem-solving abilities to process the information and respond correctly.

The Mix of Item Formats. Changes in the requirements of the frameworks have led to a shift in the types of items used in the assessments. In 1990, about three-quarters of the items at each grade were multiple-choice items. Although the remainder of the items that year required a short written response by the student, those items were scored as "correct/incorrect."

In 1992, only about 60 percent of the items were multiple-choice items. About 35 percent of the items at each grade required a short constructed response from students, but those were again scored as "correct/incorrect." That year, five to six items at each grade required an extended response from students, and those were scored for partial credit on a 1–5 point scale. These items measure students' ability to solve more complex mathematical problems. Those extended constructed-response items accounted for about 3 percent of the entire assessment in 1992.

By 1996, however, multiple-choice items accounted for only slightly over one-half of the items at each grade. About 40 percent of the items required a short constructed response, and the remainder required a longer response by students. All constructed-response items in the 1996 assessment were scored for partial credit.

*Calculators and Manipulatives.* Experiments with the use of calculators in the Mathematics NAEP have been conducted since 1990. By the 1996 assessment, students were allowed to use calculators for about one-third of the items. Students are provided with calculators for the assessment and are trained in their use. The framework committees recognize that calculators cannot be allowed for all blocks of items because many more problems should be solved without calculators tors and because it is necessary to maintain trends over assessment years.

In addition, students are given manipulatives to use in responding to several items on the assessments. For example, students at grade 4 were given rulers to use with certain items, and students in grades 8 and 12 were given rulers and protractors. Students may be given geometric shapes and three-dimensional models to use in responding to questions on the assessment.

# Achievement Levels: Descriptions and Cutscores

Note: The performance of students on the Mathematics NAEP is reported on a scale of 0 to 500. The average score is 250 (anchored at Grade 8) with a standard deviation of 50 scale score points. Italicized text is a summary of the achievement level description.

# **GRADE 4**

Basic (214)

Fourth-grade students performing at the Basic level should show some evidence of understanding the mathematical concepts and procedures in the five NAEP content strands.

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

# Proficient (249)

Fourth-grade students performing at the Proficient level should consistently apply integrated procedural knowledge and conceptual understanding to problem solving in the five NAEP content strands.

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

#### Advanced (282)

Fourth-grade students performing at the Advanced level should apply integrated procedural knowledge and conceptual understanding to complex and nonroutine realworld problem solving in the five NAEP content strands.

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

# **GRADE 8**

Basic (262)

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

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

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

# Proficient (299)

Eighth-grade students performing at the Proficient level should apply mathematical concepts and procedures consistently to complex problems in the five NAEP content strands.

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

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

# Advanced (333)

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

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

# GRADE 12

Basic (288)

Twelfth-grade students performing at the Basic level should demonstrate procedural and conceptual knowledge in solving problems in the five NAEP content strands.

Twelfth graders performing at the Basic level should be able to use estimation to verify solutions and determine the reasonableness of results as applied to real-world problems. They are expected to use algebraic and geometric reasoning strategies to solve problems. Twelfth graders performing at the Basic level should recognize relationships presented in verbal, algebraic, tabular, and graphical forms; and demonstrate knowl-edge of geometric relationships and corresponding measurement skills.

They should be able to apply statistical reasoning in the organization and display of data and in reading tables and graphs. They also should be able to generalize from patterns and examples in the strands of algebra, geometry, and statistics. At this level, they should use correct mathematical language and symbols to communicate mathematical relationships and reasoning processes; and use calculators appropriately to solve problems.

# Proficient (336)

Twelfth-grade students performing at the Proficient level should consistently integrate mathematical concepts and procedures to the solutions of more complex problems in the five NAEP content strands.

Twelfth graders performing at the Proficient level should demonstrate an understanding of algebraic, statistical, and geometric and spatial reasoning. They should be able to perform algebraic operations involving polynomials; justify geometric relationships and judge and defend the reasonableness of answers as applied to real-world situations. These students should be able to analyze and interpret data in tabular and graphical form; understand and use elements of the function concept in symbolic, graphical, and tabular form; and make conjectures, defend ideas, and give supporting examples.

#### Advanced (367)

Twelfth-grade students performing at the Advanced level should consistently demonstrate the integration of procedural and conceptual knowledge and the synthesis of ideas in the five NAEP content strands.

Twelfth-grade students performing at the Advanced level should understand the function concept and be able to compare and apply the numeric, algebraic, and graphical properties of functions. They should apply their knowledge of algebra, geometry, and statistics to solve problems in more advanced areas of continuous and discrete mathematics.

They should be able to formulate generalizations and create models through probing examples and counterexamples. They should be able to communicate their mathematical reasoning through the clear, concise, and correct use of mathematical symbolism and logical thinking.

# **Achievement Levels: Sample Items**

# Interpreting the Data

Because a representative sample of students at each grade level is selected to take the NAEP, each assessment exercise is administered to a relatively small subsample of students in each grade. Typically, around 10,000 students are assessed in each grade, and each item is administered to just under 2,000 students. The values reported in the tables accompanying each item are probability estimates of performance at each level of achievement for students at each grade level tested in NAEP. The data reported for the sample items show the probability of a correct response to multiple choice items and of a specific score on items requiring students to construct a response. The probabilities are estimates of how students scoring within each range of achievement on the NAEP score scale would perform on each item. These probabilities are, in fact, averages of performance within each achievement level. Some students who score within the Basic range of achievement, for example, will answer a specific multiple choice item correctly and some will not. Furthermore, student performance within the Basic range of achievement may be very near the lower boundary, around the middle, or very near the upper boundary, that is, approaching the Proficient level of achievement. The probabilities reported here are weighted averages to represent performance across the range, with more weight given to scores in the middle of the achievement ranges.

Here is a suggested way to read the data for multiple choice items: "Students performing in the (Basic/Proficient/ Advanced) score range have (X) probability of answering this item correctly."

For constructed response items, here is a suggested way to read the data: "Students performing in the (Basic/ Proficient/Advanced) score range have (X) probability of giving a response scored at the indicated level (1, 2, 3, etc.) for this sample item."

## Grade 4 Sample 1 (1990)—Basic Performance

'	By how much would the value of 5,647 be decreased if the 5 were replaced by a 2?			
repic	iced by t	, ∠;		
A	3			
B	300			
C	3,000			

D 30,000

# Probability of correct responseBasic74%Proficient90%Advanced97%

#### Grade 4 Sample 2 (1992)—Basic Performance

A store sells 168 tapes each week. How many tapes does it sell in	Probability of correct	response
24 weeks?	Basic	64%
A 7	Proficient	93%
B 192	Advanced	<b>99</b> %
<ul><li>4,032</li></ul>	Students were permitted to use calculators to answer this question.	
D 4,172		

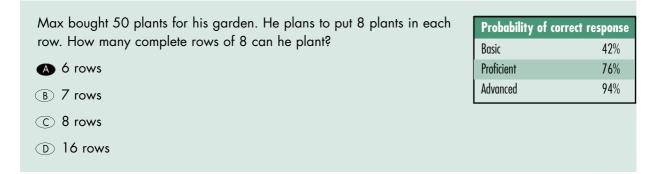
## Grade 4 Sample 3 (1996)—Basic Performance

A whole number is multiplied by 5. Which of these could be the result?		
(A) 652		
(B) 562	Proficient	82%
© 526	Advanced	94%
<ul><li>D 265</li></ul>	Students were permitted to use calculators to answer this question.	

#### Grade 4 Sample 4 (1996)—Basic Performance

How many fourths make a whole?		
Answer: 4 fourths	Basic	52%
	Proficient	73%
	Advanced	88%
	1 = Correct: 4, or four fourths, etc. 0= Incorrect: Any inco	·

#### Grade 4 Sample 5 (1990)—Proficient Performance



#### Grade 4 Sample 6 (1992)—Proficient Performance

Product
$2 \times 2 = 4$
$2 \times 2 \times 2 = 8$
2 x 2 x 2 x 2 = 16
$2 \times 2 \times 2 \times 2 \times 2 = 32$

If the pattern shown continues, could 375 be one of the products in this pattern?

Explain why or why not. Because if the pattern continued you would never get an odd number

Probability of correct	response
Basic	28%
Proficient	62%
Advanced	87%
Scoring guide	
1 = Correct: Because 375 is not divisi- ble by 2 (or is not even), OR because 375 is between two of the numbers in the pattern.	
0= Not a correct response	·.
Students were permitted to use calculators to answer this question.	

## Grade 4 Sample 7 (1996)—Proficient Performance

Ms. Hernandez formed teams of 8 students each from the 34 students in her class. She formed as many teams as possible, and the students left over were substitutes. How many students were substitutes? Answer:

Probability of correct	response
Basic	37%
Proficient	81%
Advanced	<b>97</b> %
Scoring guide	
1 = Correct: 2.	
0 = Incorrect: Any incorrect response.	

#### Grade 4 Sample 8 (1996)—Proficient Performance

Every hour, a company makes 8,400 paper plates and puts them in packages of 15 plates each. How many packages are made in one hour?

A	560
B	8,385
$\bigcirc$	17,857
	126 000

Probability of co	orrect response
Basic	45%
Proficient	79%
Advanced	97%
Students were permitted to use calculators to answer this question.	

## Grade 4 Sample 9 (1990)—Advanced Performance

What is the distance all the way around a rectangle that is 8 meters long and 5 meters wide?

A 13 meters

B 26 meters

- $\bigcirc$  40 meters
- $\bigcirc$  80 meters

 $\textcircled{E}\ I$  don't know.

Probability of corr	ect response
Basic	23%
Proficient	46%
Advanced	82%

#### Grade 4 Sample 10 (1992)—Advanced Performance

A package of birdseed costs \$2.58 for 2 pounds. A package of sunflower seeds costs \$3.72 for 3 pounds. What is the difference in the cost *per pound?* 

- **A** \$0.05
- **B** \$1.14
- © \$1.24
- D \$1.29

Probability of correc	t response
Basic	6%
Proficient	18%
Advanced	77%
Students were permitted to use calculators to answer this question.	

#### Grade 4 Sample 11 (1996)—Advanced Performance

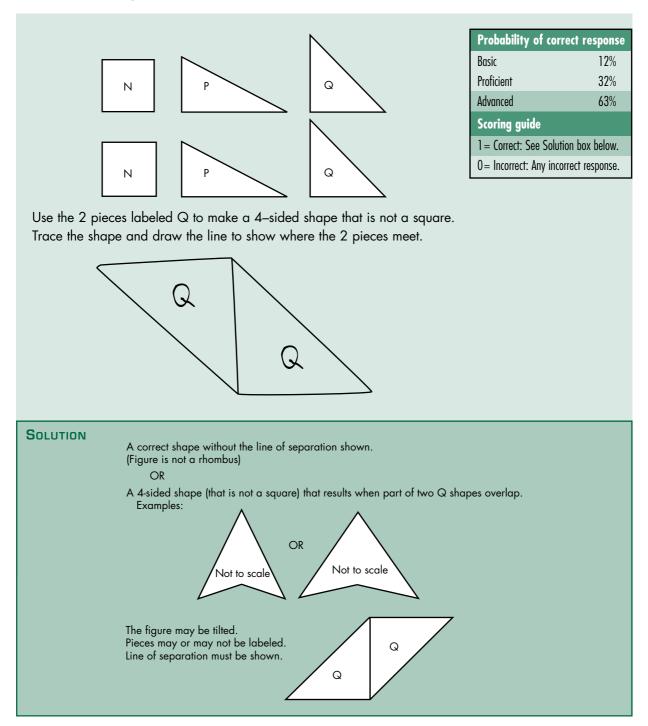
Sam can purchase his lunch at school. Each day he wants to have juice that costs 50¢, a sandwich that costs 90¢, and fruit that costs 35¢. His mother has only \$1.00 bills. What is the least number of \$1.00 bills that his mother should give him so he will have enough money to buy lunch for 5 days?

Probability of a score of 2Basic10%Proficient38%Advanced72%Scoring guide

- 2 = Correct: Nine \$1 bills. For one day, the sum is \$1.75. For 5 days, the sum is \$8.75. Therefore, he should ask his mother for nine \$1 bills.
- 1 = Partial: \$8.75 or 875, OR One day is \$1.75 so he needs \$2 each day, so \$10 for a week, OR correct method but rounded down to \$8 (this requires work to be shown), OR correct method but small error and incorrect response of \$7 to \$11, inclusive.
- 0= Incorrect: Any incorrect response including \$1.75, \$2, \$875, or \$875.00.

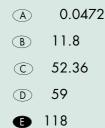
Students were permitted to use calculators to answer this question.

#### Grade 4 Sample 12 (1996)—Advanced Performance



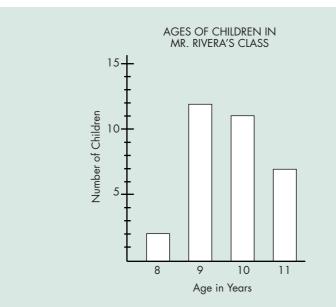
#### Grade 8 Sample 1 (1990)—Basic Performance

The average weight of 50 prize-winning tomatoes is 2.36 pounds. What is the combined weight, in pounds, of these 50 tomatoes?



Proficient	90%
Advanced	<b>98</b> %

#### Grade 8 Sample 2 (1992)—Basic Performance



Probability of correct	response
Basic	64%
Proficient	85%
Advanced	96%

The graph above shows how many of the 32 children in Mr. Rivera's class are 8, 9, 10, and 11 years old. Which of the following is true?

- A Most are younger than 9.
- B Most are younger than 10.
- Most are 9 or older.
- $\bigcirc$  None of the above is true.

#### Grade 8 Sample 3 (1996)—Basic Performance

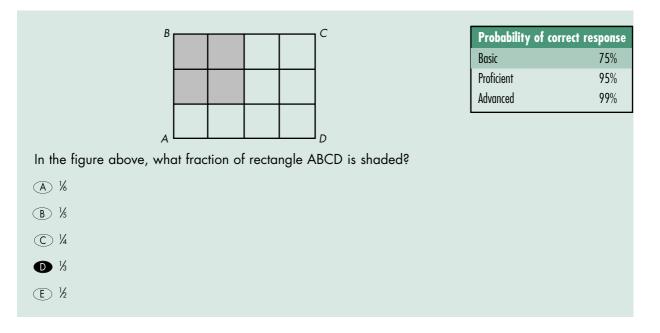
From any vertex of a 4-sided polygon, 1 diagonal can be drawn. From any vertex of a 5-sided polygon, 2 diagonals can be drawn. From any vertex of a 6-sided polygon, 3 diagonals can be drawn. From any vertex of a 7-sided polygon, 4 diagonals can be drawn.

How many diagonals can be drawn from any vertex of a 20-sided polygon?

Answer: 17 diagonal can be drawn

Probability of corr	ect response	
Basic	56%	
Proficient	79%	
Advanced	92%	
Scoring guide		
1 = Correct: 17; number of diagonals is always 3 less than the number of sides.		
0= Incorrect: Any inco	rrect response.	

#### Grade 8 Sample 4 (1996)—Basic Performance

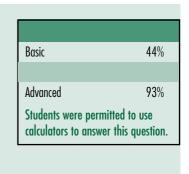


#### Grade 8 Sample 5 (1990)—Proficient Performance

Kate bought a book for \$14.95, a record for \$5.85, and a tape for \$9.70. If the sales tax on these items is 6 percent and all 3 items are taxable, what is the total amount she must pay for the 3 items, including tax?

\$32.33
\$32.06
\$30.56

- D \$30.50
- E \$1.83



#### Grade 8 Sample 6 (1992)—Proficient Performance

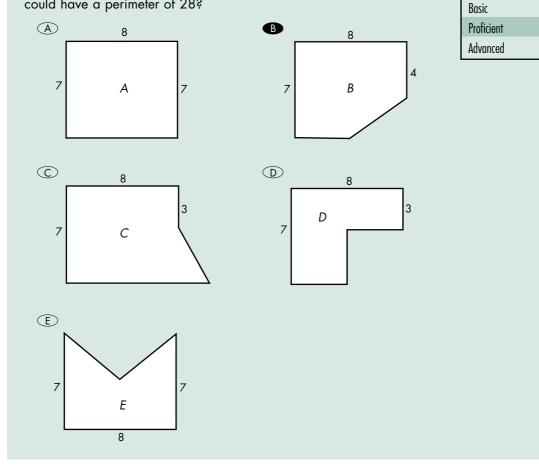
From a shipment of 500 batteries, a sample of 25 was selected at random and tested. If 2 batteries in the sample were found to be dead, how many dead batteries would be expected in the entire shipment?

Probability of corr	ect response
Basic	34%
Proficient	74%
Advanced	<b>96</b> %

- A 10B 20C 30
- 40(E) 50

## Grade 8 Sample 7 (1992)—Proficient Performance

For each figure below, the lengths of 3 sides are given. Which figure could have a perimeter of 28?



## Grade 8 Sample 8 (1996)—Proficient Performance

Which of the following ordered pairs $(x, y)$ is a solution to the equation	Probability of correct response		
2x - 3y = 6?	Basic	37%	
(6, 3)	Proficient	71%	
<b>B</b> (3, 0)	Advanced	93%	
© (3, 2)			
<b>(D)</b> (2, 3)			

(E) (0, 3)

Probability of correct response

30%

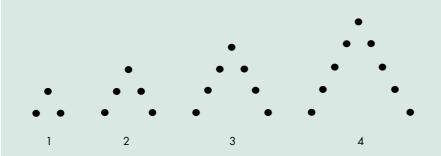
53%

**79**%

(5)(7) =	P	Probability of correc	t response
-35	Bo	lasic	47%
-12	Pr	roficient	75%
-2	Ac	dvanced	92%

## Grade 8 Sample 9 (1996)—Proficient Performance

## Grade 8 Sample 10 (1990)—Advanced Performance



If this pattern of dot figures is continued, how many dots will be in the 100th figure? Explain how you found your answer to the above question.

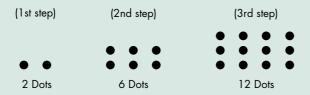
Answer:	<u>/m</u>	ultip	ied	100	times	2
and got		•			•	

Pro	obability of co	orrect response
Bas	ic	<b>9</b> %
Pro	ficient	28%
Adv	ranced	63%
Sco	oring guide	
•	to the correct re the previous que Multiply the pos by 2, then add It is the 101st of $2 \times 100 + 1$ Any statements previous ones. Extended the po	ition of the figure 1 to that answer.
	the dots.	
0=	ous question an given, OR correc	ect answer to previ- d an explanation answer to previ- t incorrect explana- iot a correct

#### Grade 8 Sample 11 (1992)—Advanced Performance

This question requires you to show your work and explain your reasoning. You may use drawings, words, and numbers in your explanation. Your answer should be clear enough so that another person could read it and understand your thinking. It is important that you show *all* your work.

A pattern of dots is shown below. At each step, more dots are added to the pattern. The number of dots added at each step is more than the number added in the previous step. The pattern continues infinitely.



Marcy has to determine the number of dots in the 20th step, but she does not want to draw all 20 pictures and then count the dots.

Explain or show how she could do this *and* give the answer that Marcy should get for the number of dots.

Adds one across and up  
You can see that every step is multiplied by three to  
g so on the 
$$20^{th}$$
 step it would have  
 $\frac{20}{x 21}$   
 $\frac{420}{420}$ 

Probability of a score of 3			
Basic	7%		
Proficient	27%		
Advanced	60%		

#### Scoring guide

- 3= Complete: Identifies 420 and ties step 20 back to beginning of pattern in some specific form or generalization. See Solution box below.
- 2 = Acceptable: Explains the pattern correctly but omits the correct number of dots (420).
- 1 = Partial: Offers a partial or incomplete correct explanation.
- 0 = Incomplete: Attempts to generalize, or to draw all 20 pictures in the pattern (with a clear understanding of the pattern), OR not a correct response.

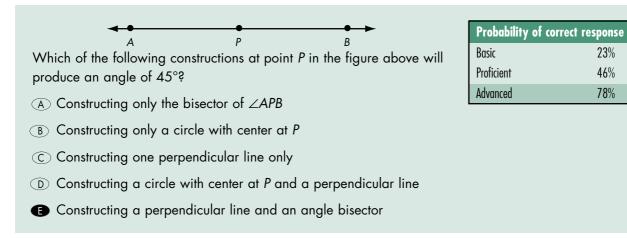
Students were permitted to use calculators to answer this question.

#### SOLUTION

Explanation should include one of the following ideas with no false statements.

- a. For each successive step, the number of rows and the number of columns is increasing by 1, forming a pattern. For example, the first step forms 1 by 2 rows and columns, the next step 2 by 3, the third step 3 x 4, and so on. Continuing this pattern would mean that the 20th step has 20 x 21 or 420 dots.
- b. The successive differences between consecutive steps form a pattern. The differences 4, 6, 8, 10, ... form a pattern. There are 19 differences forming the pattern 4, 6, 8, 10, ..., 38, 40 and this sum is (9 x 44) + 22 or 418. However, 2 must be added for the 1st step, yielding a response of 420.

#### Grade 8 Sample 12 (1992)—Advanced Performance



#### Grade 8 Sample 13 (1996)—Advanced Performance

$\underline{\betaecause: 10 - 0.8 + 25 - 0.8}$	$ \begin{array}{c} \begin{array}{c} & & & & \\ & & & & \\ & & & \\ & & & & & \\ & & & & \\ & & & & \\ & & & & \\ & & & & & \\ & & & & \\ &$	Probability of a set         Basic         Proficient         Advanced         Scoring guide         2 = Correct: They will I         A and B at the sar         their rates are equ         1 = Partial: Response         part with correct ju         answers both part         no justification (Fee         there cannot be tw         fications or one in         missing justification         0 = Incorrect: Any inco         Students were permiticulators to answer the	5% 26% 66% both reach points ne time because al. answers either ustification, OR s correctly with or a score of 1, vo incorrect justi- correct and one n). rrect response. tted to use cal-
--	--	--	---

Explain your reasoning.

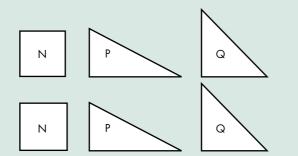
same time because they are both traveling 0.8 miles/min

23%

46%

78%

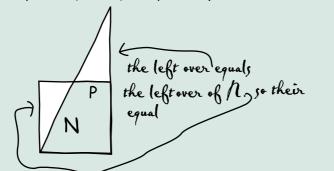
#### Grade 8 Sample 14 (1996)—Advanced Performance



Bob, Carmen, and Tyler were comparing the areas of N and P. Bob said that N and P have the same area. Carmen said that the area of N is larger. Tyler said the area of P is larger.

Who was correct?

Use words or pictures (or both) to explain why.



 Probability of correct response

 Basic
 22%

 Proficient
 46%

 Advanced
 74%

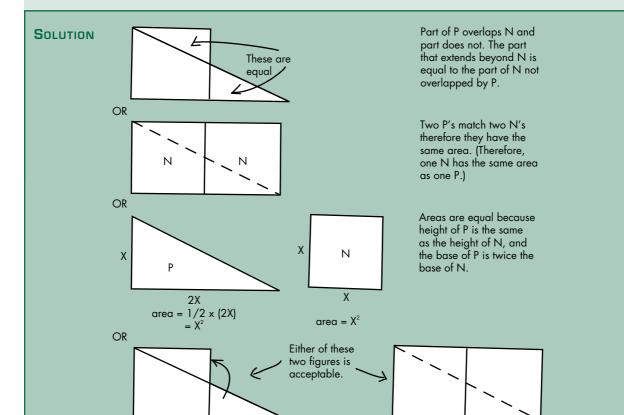
 Scoring guide
 1

 1 = Correct: An adequate explanation with or without "Bob." May say "neither" or "both." See Solution box below.

 0 = Incorrect: Indicates that Carmen or Tyler was correct, OR omits the name and gives no satisfactory.

name and gives no satisfactory explanation, OR indicates Bob was correct, but gives no or an inadequate explanation.

Note: The scoring guide for this item originally included separate scores for incorrect, partially correct, and completely correct. After scaling, partially correct and completely correct responses were combined as correct responses. The student response shown was originally scored as completely correct.



#### Grade 12 Sample 1 (1990)—Basic Performance

Which of the following is true about 87% of 10?	Probability of co	orrect respons
It is greater than 10.	Basic	84%
B It is less than 10.	Proficient	<b>99</b> %
© It is equal to 10.	Advanced	100%
D Can't tell.		
E I don't know.		

#### Grade 12 Sample 2 (1992)—Basic Performance

$\frac{6 \times 10^3}{2 \times 10^6} =$	Probability of cor	rect response
$\frac{1}{3 \times 10^5} =$	Basic	56%
(A) 0.5 x 10 <sup>2</sup>	Proficient	88%
B 2 x 10 <sup>2</sup>	Advanced	97%
© 2 x 10°.6		
D 0.5 x 10 <sup>-2</sup>		
€ 2 x 10 <sup>-2</sup>		

## Grade 12 Sample 3 (1996)—Basic Performance

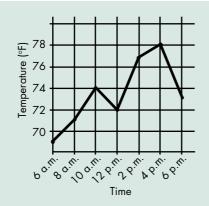
Four people—A, X, Y, and Z—go to a movie and sit in adjacent seats. If A sits in the aisle seat, list all possible arrangements of the other three people. One of the arrangements is shown below.

Aisle ↓	A	X	Y	Ζ
	А	z	у	Ý
	А	у	Ý	z
	А	у	Z	Ý
	А	Z	Ý	Ŋ
	А	Ý	Z	Ŋ

Basic	70%
Proficient	<b>89</b> %
Advanced	96%
Scoring guide	
1 = Correct: Any correction other than XYZ.	ect arrangement(
0= Incorrect/Incom list all 5 correct other than XYZ, arrangements.	•
Note: The scoring guide nally included separate partially correct, and co ter scaling, partially cor correct responses were	scores for incorrect mpletely correct. A rect and completely

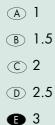
se

## Grade 12 Sample 4 (1996)—Basic Performance



Proficient	93%
Advanced	<b>97</b> %

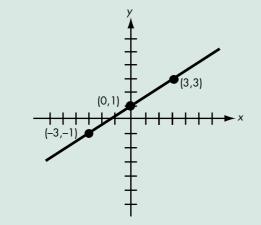
According to the graph above, the temperature at 10 a.m. is approximately how many degrees greater than the temperature at 8 a.m.?



#### Grade 12 Sample 5 (1990)—Proficient Performance

The perimeter of a square is 24 centimeters. What is the area of that square?	Probability of co	orrect response
squarey	Basic	35%
A 36 square cm	Proficient	89%
B 48 square cm	Advanced	100%
© 96 square cm		
D 576 square cm		
E I don't know.		

# Grade 12 Sample 6 (1992)—Proficient Performance



Probability of correc	t response
Basic	42%
Proficient	84%
Advanced	98%

What is the slope of the line shown in the graph above?

- A 1/3
- **B** 2/3
- C 1
- D 3/2
- **E** 3

#### Grade 12 Sample 7 (1996)—Proficient Performance

Luis mixed 6 ounces of cherry syrup with 53 ounces of water to make a cherry-flavored drink. Martin mixed 5 ounces of the same cherry syrup with 42 ounces of water. Who made the drink with the stronger cherry flavor?

Give mathematical evidence to justify your answer.

6 42	=. 9	$\frac{6}{53} = .$	3
1~		00	

Martin's is stronger

Probability of a sco	re of 2
Basic	17%
Proficient	50%
Advanced	77%

#### Scoring guide

2 = Correct: Identifies Martin with correct mathematical justification. See Solution box below.

Note: Correct responses may be based on cherry syrup to water volumes or on cherry syrup to cherry water solution volumes.

1 = Partial: Compares a pair of correctratios for both Luis and Martin,such as 6/59 to 5/47 or 59/6to 47/5, OR 6/53 to 5/42 or53/6 to 42/5, OR 6/5 to42/53 or 5/6 to 53/42.

0 = Incorrect response.

Students were permitted to use calculators to answer this question.

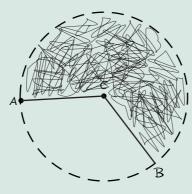
#### SOLUTION

Martin's drink has the stronger cherry flavor.

Luis		Martin		Luis		Martin
6/59 = 0.1017	< 5,	/47 = 0.1064	OR	6/53	<	5/42
0.1017 OR	<	0.1064		0.1132	<	.1190
Luis: 1 part CS to 8.3	8 parts wo	ater < Martin: 1 p	art CS to 8.	4 parts wat	er	
Note: $\frac{6}{53} = \frac{252}{2226}$	and	$\frac{5}{42} = \frac{265}{2226}$				
Solution may be show	wn as con	verted to a comm	on denomine	ator (222) (277)	6). 3)	

## Grade 12 Sample 8 (1996)—Proficient Performance

On the circle with center C shown below, use the protractor to locate and label a point B that creates an arc AB with measure  $235^{\circ}$ . Darken this arc.



Probability of cor	rect response	
Basic	24%	
Proficient	54%	
Advanced	79%	
Scoring guide		
1 = Correct: See Solution box below.		
0 = Incorrect: Any incorrect response.		
Note: The scoring guide for this item origi- nally included separate scores for incorrect, partially correct, and completely correct. After scaling, partially correct and completely correct responses were combined as correct responses. The student response shown was originally scored as completely correct.		

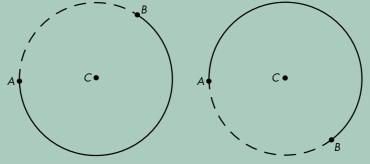
#### SOLUTION

An arc length AB that clearly indicates point B is placed on the circle such that obtuse angle ACB is not  $235^{\circ}$  but within  $\pm 5^{\circ}$  of  $235^{\circ}$ , OR an arc length AB that clearly indicates point B is placed so that the obtuse angle  $ACB = 235^{\circ}$ . (Note:  $\pm 2^{\circ}$  tolerance). Either one of the darkened arcs AB illustrated in the circles below is a correct answer.

#### OR

indicates a sector or an arc of  $235^{\circ}$  (±5°) that does not have an endpoint at point A, OR

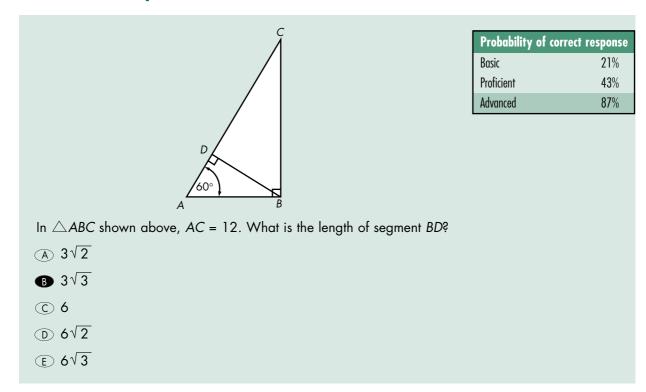
point *B* is placed correctly on the circle (within  $\pm 5^{\circ}$  of the correct location), but the arc is not clearly indicated.



## Grade 12 Sample 9 (1990)—Advanced Performance

The following question refers to the graph shown below. Probability of correct response Basic 10 f(x) Proficient 9 Advanced 8 7 g(x) 6 5 4 3 2 1 0 - X 2 3 4 5 6 7 8 9 10 What is the value of f(g(1))? A 2 **B** 4 © 5 **D** 6 **B** 8

#### Grade 12 Sample 10 (1992)—Advanced Performance

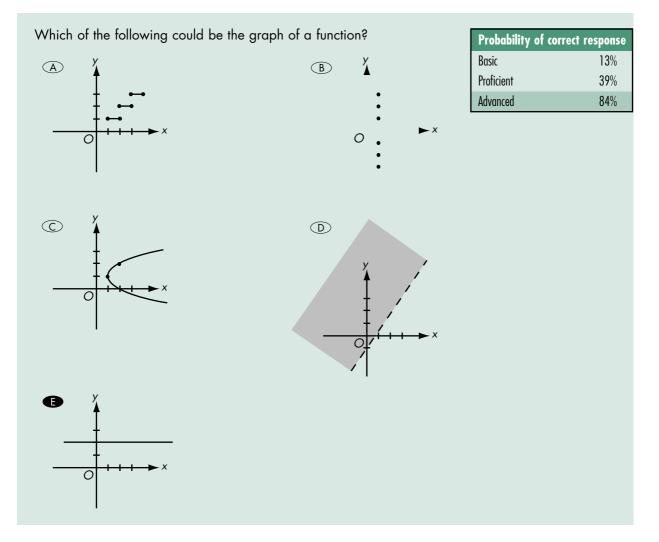


19%

32%

68%

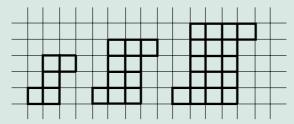
## Grade 12 Sample 11 (1996)—Advanced Performance



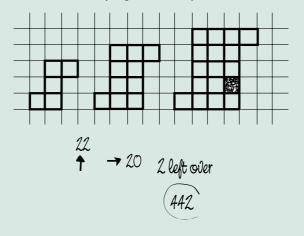
#### Grade 12 Sample 12 (1996)—Advanced Performance

This question requires you to show your work and explain your reasoning. You may use drawings, words, and numbers in your explanation. Your answer should be clear enough so that another person could read it and understand your thinking. It is important that you show all your work.

The first 3 figures in a pattern of tiles are shown below. The pattern of tiles contains 50 figures.



Describe the 20th figure in this pattern, including the total number of tiles it contains and how they are arranged. Then explain the reasoning that you used to determine this information. Write a description that could be used to define any figure in the pattern.



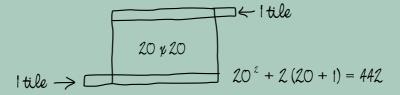
Probability of a score of 2		
Basic		17%
Proficient		41%
Advanced		67%

#### Scoring guide

- 4 = Correct: Describes the 20th figure correctly, including the fact that there are 442 tiles. Provides a clear explanation and evidence of accurate generalization (not necessarily symbolic) based on inductive reasoning. See Solution box below.
- 3= Acceptable: Describes the 20th figure and gives the number of tiles. Provides some evidence of sound reasoning, but there may be a computational error. Explanation may lack some clarity.
- 2= Partial: Illustrates or describes at least one additional figure in the pattern correctly, OR states there are 442 tiles in the 20th figure.
- I = Incomplete: Attempts to draw or describe the given pattern or an additional figure in the pattern. (Goes beyond what is shown.)
- 0 = Incorrect: Any incorrect response.

#### SOLUTION

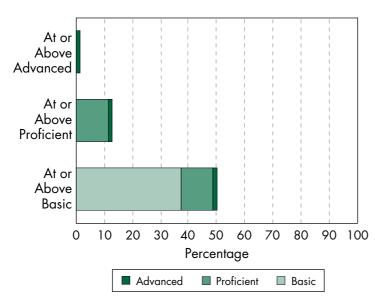
The explanation should indicate there are 442 tiles in the 20th figure. Descriptions will vary—a correct one should suggest a row of 21 tiles across the top, a row of 21 across the bottom, and a 20 x 20 square between these rows. The top row extends one tile to the right of the square and the bottom row one tile to the left. Their counting methods might be illustrated by a diagram such as this:



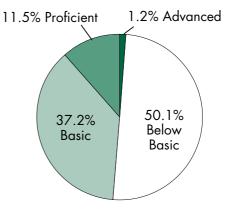
Counting methods are supported by generalizations (verbal or symbolic) that are based on the students' observations about the pattern.

## **Performance Data**

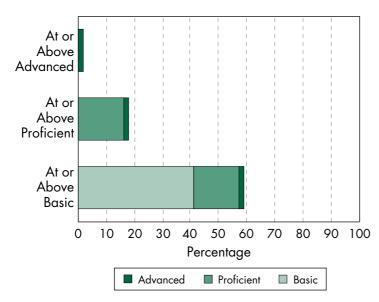
Exhibit 1. 1990 Mathematics NAEP, Grade 4: Percentage of Students At or Above Each Achievement Level

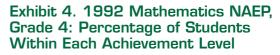






#### Exhibit 3. 1992 Mathematics NAEP, Grade 4: Percentage of Students At or Above Each Achievement Level





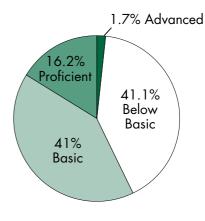


Exhibit 5. 1996 Mathematics NAEP, Grade 4: Percentage of Students At or Above Each Achievement Level

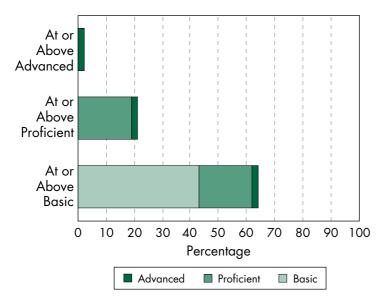
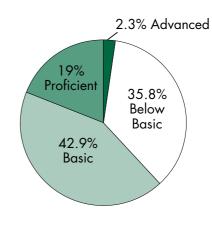
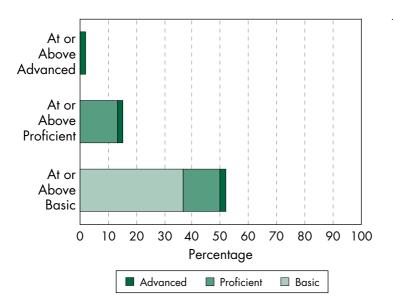


Exhibit 6. 1996 Mathematics NAEP, Grade 4: Percentage of Students Within Each Achievement Level



#### Exhibit 7. 1990 Mathematics NAEP, Grade 8: Percentage of Students At or Above Each Achievement Level





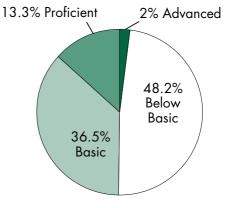
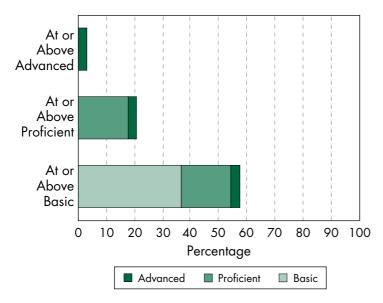
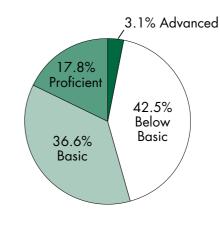


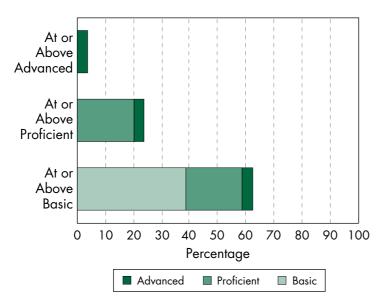
Exhibit 9. 1992 Mathematics NAEP, Grade 8: Percentage of Students At or Above Each Achievement Level

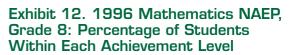


#### Exhibit 10. 1992 Mathematics NAEP, Grade 8: Percentage of Students Within Each Achievement Level



#### Exhibit 11. 1996 Mathematics NAEP, Grade 8: Percentage of Students At or Above Each Achievement Level





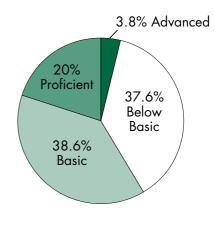


Exhibit 13. 1990 Mathematics NAEP, Grade 12: Percentage of Students At or Above Each Achievement Level

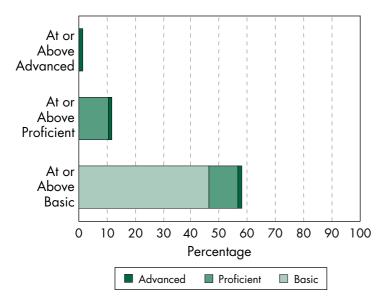


Exhibit 14. 1990 Mathematics NAEP, Grade 12: Percentage of Students Within Each Achievement Level

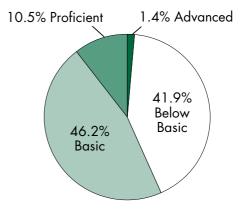
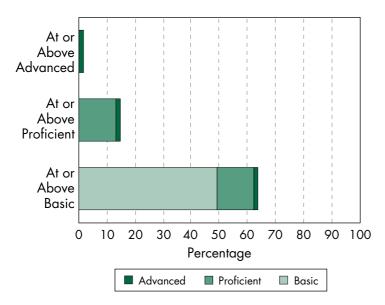
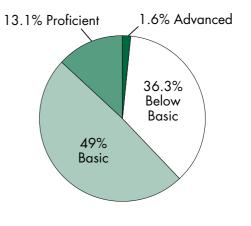


Exhibit 15. 1992 Mathematics NAEP, Grade 12: Percentage of Students At or Above Each Achievement Level







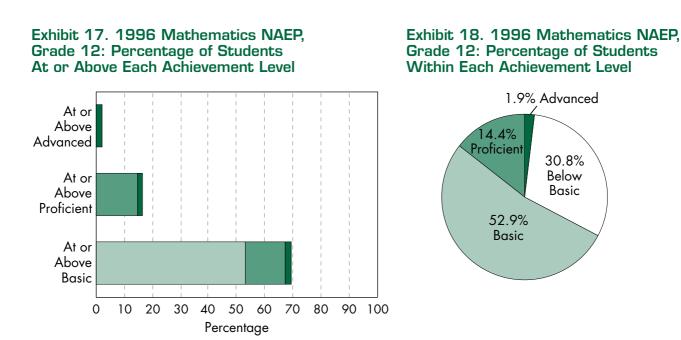
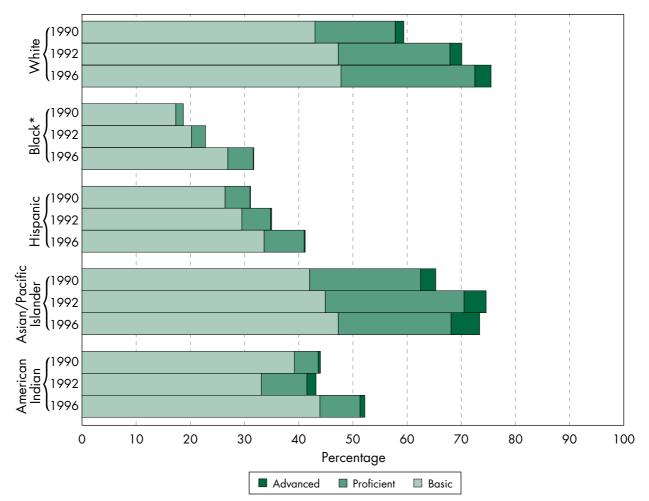


Exhibit 19. 1990, 1992, and 1996 Mathematics NAEP, Grade 4: Percentage of Students At or Above the Basic Achievement Level by Race/Ethnicity

Basic

Advanced

Proficient



\*Zero percent of Black students in 1990 and 1992 scored at or above Advanced.

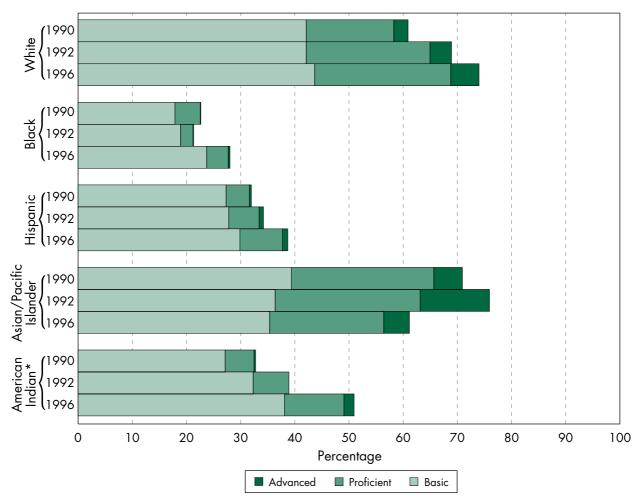


Exhibit 20. 1990, 1992, and 1996 Mathematics NAEP, Grade 8: Percentage of Students At or Above the Basic Achievement Level by Race/Ethnicity

\*Zero percent of American Indian students in 1992 scored at or above Advanced.

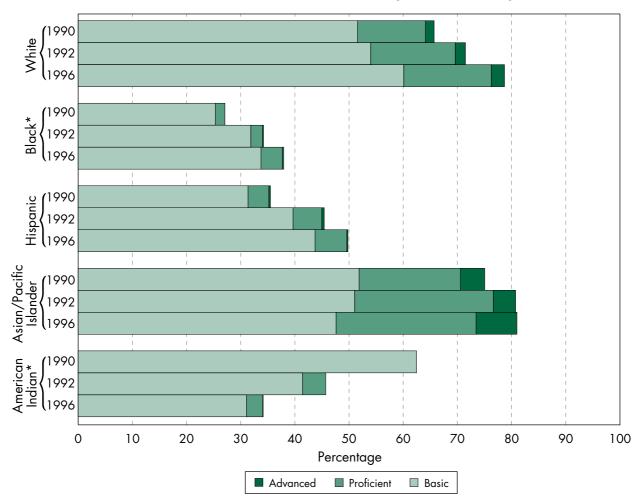


Exhibit 21. 1990, 1992, and 1996 Mathematics NAEP, Grade 12: Percentage of Students At or Above the Basic Achievement Level by Race/Ethnicity

\*Zero percent of Black students in 1990 and American Indian students in 1990 and 1992 scored at or above Advanced. Zero percent of American Indian students in 1990 scored at or above Proficient.

Exhibit 22. 1992 Mathem	natics NAEP, Grade 4: Percentage of Students At or Abo	ve
Each Achievement Level by	y Jurisdiction (Standard errors in parentheses)	

Jurisdiction Order At or Above Profi		N	At or Above Advanced	At or Above Proficient	At or Above Basic
Maine	•	1898	2.4 (0.5)	27.4 (1.5)	74.8 (1.5)
lowa	•	2770	2.3 (0.4)	26.0 (1.2)	72.4 (1.5)
Minnesota	••	2640	2.5 (0.4)	25.9 (1.3)	70.6 (1.6)
New Jersey	•	2231	2.5 (0.6)	24.6 (1.5)	68.2 (2.1)
Wisconsin	••	2780	2.2 (0.4)	24.5 (1.4)	70.9 (1.4)
Connecticut	••	2600	2.9 (0.5)	24.4 (1.4)	67.3 (1.6)
Massachusetts	••	2549	2.4 (0.5)	23.3 (1.5)	68.5 (1.6)
North Dakota	• • • · · · · · · • •	2193	1.3 (0.3)	22.2 (1.1)	72.5 (1.3)
Pennsylvania	••	2740	2.0 (0.4)	21.8 (1.5)	64.9 (2.0)
Nebraska	••	2327	2.0 (0.5)	21.8 (1.6)	66.6 (1.8)
Utah	••	2799	1.4 (0.3)	19.0 (1.1)	65.6 (1.7)
Virginia	••	2786	2.3 (0.5)	18.8 (1.5)	58.6 (1.4)
Wyoming	••	2605	1.0 (0.3)	18.7 (1.1)	68.6 (1.4)
Missouri	••	2509	1.3 (0.3)	18.6 (1.3)	62.1 (1.7)
Michigan	••	2412	1.2 (0.4)	18.5 (1.7)	60.5 (2.2)
Maryland	••	2844	2.2 (0.3)	18.4 (1.2)	55.1 (1.6)
Colorado	••	2906	1.5 (0.4)	17.5 (1.0)	60.8 (1.4)
New York	••	2284	1.5 (0.3)	17.0 (1.3)	57.0 (1.8)
Delaware	••	2040	1.8 (0.3)	16.5 (0.9)	54.6 (1.0)
Indiana	• • •	2593	1.0 (0.2)	15.6 (1.1)	59.8 (1.7)
Georgia	••	2766	1.1 (0.3)	15.3 (1.2)	53.1 (1.7)
Texas	• • •	2623	1.2 (0.3)	15.0 (1.2)	55.7 (1.6)
Hawaii	• • •	2625	1.1 (0.2)	14.6 (0.9)	51.9 (1.8)
Rhode Island	• <b>• -</b> •	2390	1.2 (0.4)	13.3 (1.1)	54.2 (2.2)
Florida	• • •	2828	1.2 (0.3)	13.3 (1.4)	51.6 (1.7)
Arizona	• - • •	2741	0.8 (0.2)	13.1 (0.9)	53.5 (1.6)
South Carolina	● - ••	2771	0.9 (0.3)	12.8 (1.1)	47.6 (1.7)
North Carolina	● ● ●	2884	1.2 (0.3)	12.7 (0.8)	50.3 (1.6)
Kentucky	●●●	2703	1.0 (0.3)	12.6 (1.2)	50.9 (1.5)
California	• - • •	2412	1.3 (0.4)	12.4 (1.2)	46.4 (1.9)
West Virginia	• - • •	2786	1.0 (0.3)	12.2 (0.9)	52.4 (1.5)
New Mexico	● - ● ●	2342	0.6 (0.2)	11.1 (1.3)	49.8 (2.0)
Alabama	● -● ●	2605	0.5 (0.1)	10.1 (1.2)	43.0 (2.1)
Tennessee	• -••	2708	0.5 (0.2)	9.9 (1.0)	47.3 (2.0)
Arkansas	• -• •	2621	0.4 (0.2)	9.7 (0.7)	46.9 (1.5)
Louisiana	• • •	2792	0.4 (0.2)	7.6 (0.8)	38.8 (2.0)
Mississippi	• • •	2712	0.3 (0.1)	6.3 (0.6)	35.8 (1.3)
District of Columbia	•• ••	2399	0.9 (0.2)	5.5 (0.3)	23.1 (0.9)
Guam	●●	1933	0.3 (0.2)	4.7 (0.5)	26.3 (1.4)
	0% 25% 50% 75%	100% <sup>(*)Sta</sup>	indard error estimates	cannot be precisely det	ermined.

			· O
% at or above	National % at	% at or above	% at or above
the Advanced	or above the	the Proficient	the Basic
Cutscore of 282	Proficient Cutscore	Cutscore of 249	Cutscore of 214

Jurisdiction Order At or Above Profi		N	At or Above Advanced	At or Above Proficient	At or Above Basic
	• <b>+</b> -••	2565			
Connecticut Minnesota	••	2305	2.9 (0.5)	30.6 (1.7) <sup>†</sup>	74.7 (1.5) <sup>†</sup>
Maine	••	2425	3.2 (0.5) 2.8 (0.6)	29.4 (1.5)	75.5 (1.5)
	••	2115	• •	27.5 (1.4)	75.5 (1.4)
Wisconsin		2437	2.7 (0.6)	27.4 (1.3)	74.1 (1.2)
Texas New Janaar	••	1961	2.8 (0.5)	25.3 (1.5) <sup>†</sup>	69.4 (1.9) <sup>†</sup>
New Jersey Nebraska		2678	2.5 (0.7)	24.9 (1.7)	67.8 (2.1)
North Dakota	•••	2676	2.3 (0.3)	24.4 (1.4)	70.2 (1.6)
		2000	1.9 (0.5)	24.3 (1.3)	75.3 (1.9)
Massachusetts			1.9 (0.5)	24.3 (1.9)	71.4 (1.8)
Indiana	••	2470 2382	2.1 (0.5)	23.8 (1.6) <sup>†</sup>	72.2 (1.7) <sup>†</sup>
Michigan			2.2 (0.5)	23.0(1.5)	67.9 (1.8)
Utah Vermont	•••	2625 2136	1.7 (0.4)	22.7 (1.3)	68.6 (1.6)
Montana	••	2130	2.7 (0.5)	22.6(1.1)	66.8 (2.1)
Colorado	••	2609	1.3 (0.4)	22.4 (1.6)	70.6 (1.9)
			1.7 (0.3)	$22.2 (1.3)^{\dagger}$	66.9 (1.6) <sup>†</sup>
lowa	••	2359 2465	1.3 (0.4)	22.1 (1.4) 21.6 (1.7)	73.8 (1.4) 58.6 (1.8)
Maryland		2658	2.8 (0.7)		58.6 (1.8)
North Carolina	••	2636	2.4 (0.4)	21.2 (1.3) <sup>†</sup>	64.4 (1.6) <sup>†</sup>
Washington		2040	1.4 (0.2)	20.9 (1.2)	66.7 (1.8)
Oregon			2.1 (0.5)	20.7 (1.3)	64.7 (2.2)
Alaska	••	2304	2.0 (0.5)	20.6 (1.2)	64.5 (2.0)
Pennsylvania		2347	1.4 (0.3)	20.5 (1.5)	68.4 (1.8)
DoDEA/DDESS°		1313	2.2 (0.6)	20.3 (1.5)	63.6 (1.7)
New York		2248	1.7 (0.4)	19.7 (1.2)	64.4 (1.8) <sup>†</sup>
Missouri		2643	1.2 (0.3)	19.7 (1.3)	65.8 (1.7)
Virginia	••	2586	1.9 (0.5)	19.3 (1.5)	61.9 (2.2)
DoDEA/DoDDS <sup>b</sup>	0	2604	1.3 (0.3)	19.0 (1.1)	63.9 (1.2)
West Virginia		2530	1.7 (0.5)	19.0 (1.2) <sup>†</sup>	63.5 (1.6) <sup>†</sup>
Wyoming		2758	1.3 (0.3)	18.8 (1.2)	64.0 (1.7)
Rhode Island	••	2461	1.3 (0.3)	17.4 (1.3)	60.9 (2.0)
Tennessee Hawaii		2473 2578	1.3 (0.3)	16.5 (1.5) <sup>†</sup>	58.5 (2.0) <sup>†</sup>
Delaware		1984	1.6 (0.4)	16.4 (1.1)	52.9 (1.6)
		2579	1.4 (0.4)	15.9 (1.2) 15.6 (1.1)	53.6 (1.1)
Kentucky	••		1.2 (0.3)	• •	60.2 (1.8)† 56.5 (2.4)
Arizona Elevida	••	2113	1.4 (0.4)	15.3 (1.6)	• •
Florida		2549 2193	0.9 (0.2) 0.8 (0.3)	14.6 (1.1)	54.6 (1.7)
Nevada Arkansas		2193	• •	14.0 (1.2)	56.9 (1.8)
		2047	0.7 (0.3)	13.3 (1.4)	54.1 (2.2)
Georgia New Mexico		2342	1.0 (0.3)	13.0 (1.3) 12.8 (1.2)	52.6 (2.1) 50.7 (2.4)
			0.8 (0.3)	• •	• •
South Carolina Alabama		2364 2541	1.0 (0.3) 0.9 (0.2)	11.8 (1.3) 10.8 (1.1)	48.4 (2.0) 47.8 (2.0)
California		2063	• •	• •	• •
		2003	0.9 (0.4)	10.6 (1.5)	45.8 (2.4)
Mississippi Louisiana		2/16	0.4 (0.2)	8.0 (0.9) 7.7 (0.9)	42.0 (1.9)
District of Columbia		2671	0.4 (0.2) 0.9 (0.4)	7.7 (0.9) 5.1 (0.5)	44.0 (1.8) 20.1 (0.8)
Guam	•b	1431	0.9 (0.4)	3.4 (0.5)	23.0 (1.4)
Coun		<b>-</b>		cannot be precisely det	
	0% 25% 50% 75% 1	100 /8 <sup>†</sup> Sign	ificantly different from	1992	
	<b> </b> •			nt of Defense Educations dent Elementary and Se	
% at or above	National % at   % at or above   % at or al	bove <sup>b</sup> DoD	EA/DoDDS: Departme	nt of Defense Education	
the Advanced Cutscore of 282	or above the the Proficient the Bas Proficient Cutscore Cutscore of 249 Cutscore of	sic of De	efense Dependent Scho	ols (Overseas)	

#### Exhibit 23. 1996 Mathematics NAEP, Grade 4: Percentage of Students At or Above Each Achievement Level by Jurisdiction (Standard errors in parentheses)

NAEP ACHIEVEMENT LEVELS 1992–1998

Jurisdiction Order At or Above Profi		N	At or Above Advanced	At or Above Proficient	At or Above Basic
North Dakota		2485	3.6 (0.6)	27.3 (1.8)	75.4 (1.6)
Montana	•	2486	3.6 (0.5)	26.7 (1.4)	74.5 (1.5)
lowa	••	2474	3.3 (0.5)	25.1 (1.4)	70.0 (1.2)
Nebraska	•	2519	3.3 (0.5)	24.4 (1.2)	68.2 (1.3)
Minnesota	•	2584	3.3 (0.5)	23.3 (1.2)	67.5 (1.1)
Wisconsin	••	2750	3.1 (0.4)	23.2 (1.4)	65.7 (1.6)
Connecticut	••	2672	3.4 (0.4)	21.7 (0.9)	59.9 (1.4)
Oregon	••	2708	3.0 (0.5)	20.7 (1.1)	61.6 (1.4)
Wyoming	• <b>•</b> • •	2701	1.7 (0.2)	18.5 (0.9)	63.7 (1.3)
Virginia	••	2661	3.7 (0.8)	17.3 (1.6)	51.6 (1.7)
Colorado	• • •	2675	1.9 (0.4)	16.9 (1.0)	57.5 (1.2)
Indiana	••	2569	2.5 (0.5)	16.6 (1.1)	56.4 (1.5)
Maryland	••	2794	2.6 (0.5)	16.6 (1.2)	49.7 (1.6)
Michigan	••	2587	2.1 (0.4)	15.8 (1.2)	53.3 (1.7)
New York	••	2302	2.7 (0.4)	15.3 (0.9)	49.9 (1.7)
Rhode Island	••	2675	1.6 (0.3)	14.5 (0.7)	48.8 (1.0)
Delaware	••	2110	1.9 (0.4)	14.2 (0.8)	47.8 (1.5)
Georgia	● <b>●</b> ●	2766	2.4 (0.4)	13.8 (1.2)	47.2 (1.5)
Arizona	• - • •	2558	1.3 (0.4)	12.7 (0.9)	47.5 (1.8)
Texas	• - • 0	2542	1.6 (0.3)	12.7 (1.1)	45.5 (1.6)
California	• - • •	2424	1.7 (0.3)	12.5 (1.1)	44.6 (1.7)
Florida	• - • •	2534	1.4 (0.3)	12.0 (0.9)	42.7 (1.4)
Hawaii	• - • •	2551	1.6 (0.3)	11.7 (0.7)	40.0 (1.0)
Kentucky	• -• •	2680	1.1 (0.3)	10.5 (0.8)	43.0 (1.7)
New Mexico	• -• •	2643	1.0 (0.3)	10.2 (0.9)	43.2 (1.2)
Arkansas	• -••	2669	0.7 (0.2)	9.3 (0.7)	43.9 (1.2)
West Virginia	• -• •	2600	0.9 (0.2)	9.3 (0.8)	41.8 (1.1)
Alabama	• -• · ·	2531	1.0 (0.2)	9.1 (0.7)	40.3 (1.7)
North Carolina	• -••	2843	0.6 (0.3)	8.7 (0.7)	37.9 (1.4)
Louisiana	• • •	2572	0.5 (0.2)	5.4 (0.6)	31.7 (1.6)
Guam	••	1617	0.4 (0.2)	3.8 (0.4)	21.7 (1.0)
District of Columbia	<b>•••</b>	2135	0.8 (0.2)	3.1 (0.6)	16.6 (1.0)
	0% 25% 50% 75%	100%	andard error estimates	cannot be precisely det	ermined.
	·	·			
% at or above the Advanced Cutscore of 333 F	National % at main above % at or or above the the Proficient the Br Proficient Cutscore Cutscore of 299 Cutscore	asic			

Exhibit 24. 1990 Mathematics NAEP, Grade 8: Percentage of Students At or Above Each Achievement Level by Jurisdiction (Standard errors in parentheses)

Jurisdiction Orde At or Above Prof	-	N	At or Above Advanced	At or Above Proficient	At or Above Basic
lowa	- <b>--</b>	2816	3.9 (0.7)	31.2 (1.3)‡	76.4 (1.3)‡
Minnesota	- <b>•</b> •	2471	4.7 (0.6)	31.1 (1.2) <sup>‡</sup>	74.2 (1.3) <sup>‡</sup>
North Dakota	•	2314	3.1 (0.5)	29.5 (1.6)	77.9 (1.4)
Wisconsin	••	2814	3.2 (0.6)	27.0 (1.4)	70.8 (2.1)
Nebraska	••	2285	2.9 (0.5)	26.3 (1.6)	70.2 (1.3)
Connecticut	••	2613	3.2 (0.6)	25.7 (1.1) <sup>‡</sup>	64.4 (1.4)
Maine	••	2464	3.1 (0.6)	25.5 (1.5)	71.6 (1.3)
Massachusetts	<b>●●</b> ●	2456	2.8 (0.5)	23.3 (1.3)	62.8 (1.5)
Utah	••	2726	2.3 (0.4)	22.3 (1.0)	66.8 (1.2)
Colorado	••	2799	2.1 (0.4)	21.6 (1.2)‡	63.9 (1.4)‡
Wyoming	••	2444	· · ·	21.0 (1.1)	67.2 (1.3)
New York	••	2158	3.2 (0.5)	20.0 (1.3)‡	57.5 (2.2)‡
Maryland	••	2399	3.2 (0.5)	19.9 (1.2)	53.9 (1.4)
Indiana	••	2659	2.6 (0.4)	19.7 (1.2)	59.9 (1.5)
Missouri	••	2666	2.3 (0.4)	19.5 (1.2)	62.5 (1.6)
Virginia	••	2710		19.2 (1.1)	56.7 (1.7)
Michigan	••	2616	· · ·	18.9 (1.5)	57.9 (1.7)
Texas	••••	2614	· · ·	18.1 (1.2)‡	52.7 (1.5) <sup>‡</sup>
California	●●●	2516	2.2 (0.7)	16.2 (1.3)	50.4 (1.9)
Rhode Island	••·•	2120	· · ·	15.7 (1.1)	56.4 (1.2) <sup>‡</sup>
Delaware	•••	1934	• • •	15.1 (1.0)	51.6 (1.2)
Arizona	•••	2617		15.1 (1.3)	54.7 (1.8) <sup>‡</sup>
South Carolina	•••	2625	· · ·	14.9 (1.0)	47.8 (1.3)
Florida	•••	2549	· · ·	14.6 (1.2)	48.8 (1.9)
Kentucky	••-	2756	· · ·	13.8 (1.1)	51.2 (1.5)‡
Hawaii	● <b>-</b> ●	2454		13.5 (0.7)	46.2 (1.1) <sup>‡</sup>
Georgia	• - • •	2589	· · ·	12.7 (0.9)	47.9 (1.7)
North Carolina	• - • •	2769	· · ·	12.1 (1.0)‡	47.0 (1.4)‡
Tennessee	• - • •	2485	· · ·	11.6 (1.0)	46.8 (1.9)
New Mexico	• - • •	2561	0.9 (0.3)	10.9 (0.8)	47.6 (1.3)
Alabama	• -• •	2522	• •	10.2 (0.9)	38.8 (1.9)
Arkansas	• -• 0	2556	• •	10.0 (0.8)	44.3 (1.8)
West Virginia	• -• •	2690	· · ·	9.8 (0.8)	46.8 (1.6)
Louisiana	• • •	2582	• •	7.2 (1.0)	36.6 (1.9)
Mississippi	• • •	2498	0.3 (0.1)	6.4 (0.7)	33.4 (1.6)
Guam	•••	1496		5.6 (0.6)	25.3 (1.4)
District of Columbia	••p	1816	0.6 (0.2)	4.4 (0.9)	21.8 (1.1)‡
	0% 25% 50% 75% 100		andard error estimates nificantly different from	cannot be precisely dete	ermined.
	<b> </b> 0				
% at or above the Advanced Cutscore of 333	National % at or above the the Proficient % at or above Proficient Cutscore Of 299 Cutscore of 2				

## Exhibit 25. 1992 Mathematics NAEP, Grade 8: Percentage of Students At or Above Each Achievement Level by Jurisdiction (Standard errors in parentheses)

Exhibit 26. 1996 Mathematics NAEP, Grade 8: Percentage of Students At or Above
Each Achievement Level by Jurisdiction (Standard errors in parentheses)

Jurisdiction Orde At or Above Prof		At or Abov N Advanced	e At or Above At or Above Proficient Basic
Minnesota	- • • 0	2425 6.0 (0.8) <sup>‡</sup>	34.5 (1.8) <sup>‡</sup> 75.0 (1.5) <sup>‡</sup>
North Dakota		2602 4.4 (0.7)	33.3 (1.5) <sup>‡</sup> 77.4 (1.2)
Montana	- <b>••</b>	1912 5.2 (0.5)‡	32.5 (1.5) <sup>‡</sup> 75.2 (1.7)
Wisconsin	- <b>•</b> •	2165 5.2 (0.8)*	
lowa	•	2169 3.9 (0.6)	31.5 (1.8) <sup>‡</sup> 77.6 (1.4) <sup>‡</sup>
Maine	-•	2258 5.5 (0.7)	31.2 (1.7) 77.4 (1.5) <sup>†</sup>
Nebraska		2610 5.2 (0.7)*	30.8 (1.5) <sup>‡</sup> 75.9 (1.1) <sup>†‡</sup>
Connecticut		2485 5.1 (0.6)*	30.6 (1.5) <sup>‡</sup> 70.3 (1.4) <sup>†‡</sup>
Alaska		1462 6.7 (1.1)	29.9 (1.6) 67.7 (2.3)
Michigan	•••	2155 4.4 (0.8)*	28.3 (1.8) <sup>†‡</sup> 67.0 (2.1) <sup>†‡</sup>
Massachusetts	· · · · · · · · · · · · · · · · · · ·	2280 4.7 (0.8)	27.6 (1.8) 68.3 (2.3)
Vermont	••	2001 3.8 (0.6)	27.4 (1.4) 71.8 (1.7)
Oregon	•••	2323 4.4 (0.7)	26.3 (1.6) <sup>‡</sup> 66.9 (1.7) <sup>‡</sup>
Washington	- <b>-</b>	2434 4.0 (0.7)	26.2 (1.2) 66.9 (1.6)
Colorado	••	2530 3.2 (0.5)	25.4 (1.3) <sup>‡</sup> 66.6 (1.3) <sup>‡</sup>
Utah	•	2697 2.5 (0.4)	24.4 (1.3) 69.7 (1.5)
Maryland		2137 5.4 (1.0)*	
Indiana	••	2347 3.0 (0.5)	23.6 (1.7) <sup>‡</sup> 68.0 (2.0) <sup>†‡</sup>
DoDEA/DoDDS <sup>ь</sup>	••	2160 3.3 (0.6)	22.8 (1.2) 65.4 (1.4)
New York	••	1962 3.1 (0.5)	22.0 (1.5) <sup>‡</sup> 61.2 (2.0) <sup>‡</sup>
Wyoming	••	2696 2.5 (0.6)	21.6 (1.0) <sup>‡</sup> 68.3 (1.2) <sup>‡</sup>
Missouri	••	2386 2.2 (0.5)	21.6 (1.4) 63.8 (2.0)
DoDEA/DDESS <sup>a</sup>	- <b>-</b> •	620 5.0 (1.1)	21.4 (2.4) 57.0 (3.1)
Virginia	••	2545 3.0 (0.4)	21.1 (1.2) 58.5 (2.0)*
Texas	<b>•</b> •	2245 2.7 (0.4)	20.9 (1.5) <sup>‡</sup> 59.4 (1.8) <sup>‡‡</sup>
Rhode Island	••	2055 2.5 (0.4)	20.4 (1.3) <sup>†‡</sup> 59.9 (1.6) <sup>‡</sup>
North Carolina	••	2638 3.0 (0.6)*	20.0 (1.3) <sup>†‡</sup> 56.1 (1.8) <sup>†‡</sup>
Delaware	<b>•</b> •	1798 3.0 (0.6)	18.9 (1.0) <sup>‡</sup> 55.1 (1.3) <sup>‡</sup>
Arizona	• - ••	2136 1.8 (0.3)	17.7 (1.2) <sup>‡</sup> 57.4 (1.9) <sup>‡</sup>
Florida	••-	2401 1.7 (0.4)	16.9 (1.3) <sup>‡</sup> 53.7 (2.1) <sup>‡</sup>
California	●●- <b> </b> ●	2290 2.8 (0.5)	16.9 (1.5) <sup>‡</sup> 51.4 (2.1) <sup>‡</sup>
Hawaii	••-	2189 2.3 (0.4)	15.9 (0.9) <sup>‡</sup> 51.0 (1.5) <sup>‡</sup>
Georgia	••-	2364 2.1 (0.5)	15.9 (1.8) 51.1 (2.0)
Kentucky	••-	2461 1.4 (0.3)	15.7 (1.2) <sup>‡</sup> 56.5 (1.6) <sup>‡</sup>
Tennessee	•••	2300 1.8 (0.3)	15.1 (1.3) 53.0 (1.8)
New Mexico	• • • •	2371 1.6 (0.3)	14.3 (1.1) <sup>‡</sup> 50.5 (1.6) <sup>‡</sup>
West Virginia	• <b>•</b> •	2578 1.2 (0.4)	13.8 (0.9) <sup>†‡</sup> 53.8 (1.6) <sup>†‡</sup>
South Carolina	• <del>•</del> •	2143 1.9 (0.4)	13.7 (1.2) 48.2 (1.7)
Arkansas	• - • •	1845 1.6 (0.4)	13.1 (1.0) <sup>‡</sup> 51.9 (1.8) <sup>†‡</sup>
Alabama	• - • •	2261 1.2 (0.4)	12.0 (1.8) 45.2 (2.6)
Louisiana	• • •	2599 0.5 (0.2)	7.4 (1.1) 38.5 (2.0) <sup>‡</sup>
Mississippi	• •	2487 0.4 (0.2)	7.2 (0.8) 35.6 (1.3)
Guam	••	928 0.5 (*)	5.8 (0.8) 29.0 (1.6) <sup>‡</sup>
District of Columbia	●● <b>●</b>	1693 1.2 (0.3)	5.4 (0.8) 19.8 (1.2)
	0% 25% 50% 75% 100%	, (*)Standard error estimat Significantly different fro	es cannot be precisely determined. m 1992
		*Significantly different fro	
% at or above	National % at % at or above % at or above	of Defense Domestic Dep	endent Elementary and Secondary Schools
the Advanced	or above the the Proficient the Basic roficient Cutscore Cutscore of 299 Cutscore of 262	<sup>b</sup> DoDEA/DoDDS: Depart of Defense Dependent Sc	ment of Defense Educational Activity/Department

### Exhibit 27. 1992, 1996 Mathematics NAEP, Grade 4: Percentage of Students in Each Participating Jurisdiction At or Above Each Achievement Level, by Race/ Ethnicity (Standard errors in parentheses)

Note: Data were collected in each participating state on the number of White, Black, Hispanic, Asian/Pacific Islander, and American Indian students who took the NAEP. If the sample size of one or more of these populations was too small to produce accurate data, the categories were omitted for the state in the table below.

Population	Year	N	At or Above Advanced	At or Above Proficient	At or Above Basic
Alabama total	1992	2605	0.5 (0.1)	10.1 (1.2)	43.0 (2.1)
11.11.	1996	2541	0.9 (0.2)	10.8 (1.1)	47.8 (2.0)
White	1992	1552	0.64 (0.23)	15.13 (1.61)	57.37 (2.31)
Black	1996 1992	1452 859	1.34 (0.36) 0.00 (*)	16.08 (1.55) 1.15 (0.45)	63.66 (2.20) 16.20 (1.45)
DIUCK	1996	856	0.02 (*)	1.82 (0.64)	20.82 (1.99)
Hispanic	1992	113	0.00 (*)	2.49 (1.42)	26.01 (5.11)
,	1996	161	0.00 (*)	4.52 (1.88)	28.51 (4.24)
Alaska total	1996	2304	2.0 (0.5)	20.6 (1.2)	64.5 (2.0)
White	1996	1398	2.92 (0.66)	28.11 (1.72)	75.53 (2.35)
Black	1996	100	0.21 (*)	4.70 (2.16)	36.34 (7.66)
Hispanic	1996	247	1.02 (*)	10.88 (2.38)	55.90 (3.88)
Asian/Pacific Islander	1996	96	1.66 (*)	16.16 (4.26)	65.77 (6.27)
American Indian	1996	463	0.76 (0.46)	10.34 (1.74)	45.94 (3.95)
Arizona total	1992	2741	0.8 (0.2)	13.1 (0.9)	53.5 (1.6)
White	1996 1992	2113	1.4 (0.4)	15.3 (1.6)	56.5 (2.4)
vvnite	1992	1556 1196	1.38 (0.43) 2.18 (0.61)	19.65 (1.22) 22.06 (2.12)	68.68 (1.67) 71.67 (2.34)
Black	1992	113	0.00 (*)	3.32 (*)	27.90 (6.11)
Didek	1996	87	0.00 (*)	3.76 (*)	27.56 (5.61)
Hispanic	1992	777	0.07 (*)	4.36 (0.80)	35.71 (2.15)
	1996	623	0.18 (*)	6.37 (1.34)	37.33 (3.16)
American Indian	1992	255	0.07 (*)	3.33 (1.76)	25.30 (4.04)
	1996	157	0.09 (*)	4.36 (2.67)	32.23 (4.88)
Arkansas total	1992	2621	0.4 (0.2)	9.7 (0.7)	46.9 (1.5)
	1996	2047	0.7 (0.3)	13.3 (1.4)	54.1 (2.2)
White	1992	1815	0.54 (0.32)	13.17 (1.01)	57.17 (1.60)
Black	1996 1992	1363 552	0.94 (0.42) 0.00 (*)	18.00 (1.82)	65.66 (2.26)
DIUCK	1992	470	0.03 (*)	1.09 (0.65) 1.75 (0.90)	18.36 (2.80) 21.30 (2.97)
Hispanic	1992	169	0.00 (*)	1.17 (*)	28.83 (3.79)
.F	1996	118	0.00 (*)	3.18 (1.60)	35.93 (5.65)
American Indian	1992	65	0.33 (*)	9.47 (4.03)	51.84 (6.96)
	1996	73	0.63 (*)	6.05 (2.54)	45.18 (7.37)
California total	1992	2412	1.3 (0.4)	12.4 (1.2)	46.4 (1.9)
	1996	2063	0.9 (0.4)	10.6 (1.5)	45.8 (2.4)
White	1992	1036	1.99 (0.63)	18.84 (1.82)	60.81 (2.55)
	1996	896	1.48 (0.65)	16.89 (2.45)	63.42 (2.38)
Black	1992 1996	158 194	0.00 (*) 0.00 (*)	1.65 (1.07)	21.16 (2.60)
Hispanic	1990	194 865	0.08 (*)	1.56 (*) 3.67 (0.76)	17.92 (4.00) 27.02 (2.12)
rispunic	1996	709	0.26 (*)	3.96 (1.31)	28.99 (2.88)
Asian/Pacific Islander	1992	284	2.88 (1.69)	20.73 (3.73)	63.51 (3.22)
	1996	213	2.01 (1.15)	17.26 (2.98)	57.66 (6.76)
American Indian	1992	63	1.21 (*)	10.59 (6.86)	49.82 (9.31)

Population	Year	N	At or Above Advanced	At or Above Proficient	At or Above Basic
Colorado total	1992	2906	1.5 (0.4)	17.5 (1.0)	60.8 (1.4)
	1996	2609	1.7 (0.3)	22.2 (1.3)*	66.9 (1.6) <sup>†</sup>
White	1992	1960	2.13 (0.59)	22.40 (1.32)	69.60 (1.49)
	1996	1816	2.35 (0.46)	28.10 (1.50)	75.73 (1.38)
Black	1992	159	0.00 (*)	2.51 (1.44)	32.11 (4.58)
	1996	88	0.00 (*)	4.13 (2.63)	26.24 (6.93)
Hispanic	1992	634	0.40 (*)	6.17 (1.50)	41.59 (2.42)
	1996	529	0.09 (*)	7.62 (1.26)	45.85 (2.68)
Asian/Pacific Islander	1992	74	0.24 (*)	23.41 (5.92)	63.01 (6.85)
	1996	87	3.05 (2.04)	20.10 (5.28)	68.11 (5.49)
American Indian	1992	75	0.66 (*)	10.33 (4.66)	50.10 (7.26)
	1996	87	0.00 (*)	11.89 (4.04)	57.64 (6.97)
Connecticut total	1992	2600	2.9 (0.5)	24.4 (1.4)	67.3 (1.6)
	1996	2565	2.9 (0.5)	30.6 (1.7)†	74.7 (1.5) <sup>†</sup>
White	1992	1864	3.57 (0.56)	30.54 (1.72)	79.01 (1.24)
	1996	1817	3.69 (0.56)	38.30 (1.84)	86.04 (1.51)
Black	1992	286	0.20 (*)	2.12 (1.27)	24.28 (3.23)
	1996	314	0.32 (*)	5.41 (1.73)	40.44 (4.97)
Hispanic	1992	361	0.76 (*)	7.77 (1.94)	36.80 (4.26)
	1996	333	0.57 (*)	7.67 (2.04)	42.03 (4.48)
Delaware total	1992	2040	1.8 (0.3)	16.5 (0.9)	54.6 (1.0)
	1996	1984	1.4 (0.4)	15.9 (1.2)	53.6 (1.1)
White	1992	1360	2.54 (0.43)	22.51 (1.42)	67.43 (1.34)
	1996	1247	2.01 (0.52)	21.92 (1.84)	67.78 (1.22)
Black	1992	442	0.20 (*)	2.81 (1.03)	26.22 (2.77)
	1996	483	0.21 (*)	3.96 (0.96)	27.50 (2.64)
Hispanic	1992	169	0.14 (*)	3.87 (*)	29.57 (3.63)
	1996	168	0.45 (*)	6.23 (1.86)	28.26 (4.44)
District of Columbia total	1992	2399	0.9 (0.2)	5.5 (0.3)	23.1 (0.9)
	1996	2574	0.9 (0.4)	5.1 (0.5)	20.1 (0.8)
White	1992	130	12.59 (3.12)	51.71 (6.46)	79.22 (4.60)
	1996	150	12.29 (6.78)	48.74 (3.17)	77.43 (2.99)
Black	1992	1967	0.12 (*)	2.57 (0.37)	19.95 (0.98)
	1996	2101	0.07 (*)	1.78 (0.40)	15.67 (0.84)
Hispanic	1992	229	0.08 (*)	1.90 (1.26)	14.20 (2.24)
	1996	260	0.22 (*)	4.26 (2.20)	17.83 (3.67)
DoDEA/DDESS <sup>®</sup> total	1996	1313	2.2 (0.6)	20.3 (1.5)	63.6 (1.7)
White	1996	636	3.27 (1.17)	29.15 (2.42)	76.97 (1.86)
Black	1996	335	0.32 (*)	7.51 (2.18)	46.03 (4.81)
Hispanic	1996	238	1.33 (*)	12.60 (2.89)	52.11 (4.51)
DoDEA/DoDDS <sup>⊾</sup> total	1996	2604	1.3 (0.3)	19.0 (1.1)	63.9 (1.2)
White	1996	1241	1.78 (0.43)	25.58 (1.76)	74.27 (1.63)
Black	1996	495	0.44 (*)	5.93 (1.34)	44.60 (2.74)
Hispanic	1996	417	0.47 (*)	10.94 (2.19)	51.25 (3.27)
Asian/Pacific Islander	1996	297	1.88 (0.81)	24.13 (3.20)	69.40 (4.16)
American Indian	1996	78	0.00 (*)	12.77 (4.25)	58.07 (9.22)
Florida total	1992	2828	1.2 (0.3)	13.3 (1.4)	51.6 (1.7)
	1996	2549	0.9 (0.2)	14.6 (1.1)	54.6 (1.7)
White	1992	1645	1.67 (0.52)	18.91 (1.93)	65.95 (1.71)
	1996	1401	1.47 (0.35)	21.44 (1.41)	70.37 (1.86)
Black	1992	605	0.23 (*)	2.32 (0.67)	22.09 (2.42)
	1996	538	0.04 (*)	3.39 (1.03)	26.02 (1.90)
Hispanic	1992	478	0.53 (*)	7.26 (1.51)	40.75 (3.18)
	1996	516	0.26 (*)	7.89 (1.44)	42.56 (3.72)

Population	Year	N	At or Above Advanced	At or Above Proficient	At or Above Basic
Georgia total	1992	2766	1.1 (0.3)	15.3 (1.2)	53.1 (1.7)
	1996	2542	1.0 (0.3)	13.0 (1.3)	52.6 (2.1)
White	1992	1583	1.74 (0.53)	24.09 (1.61)	71.86 (1.79)
	1996	1428	1.57 (0.51)	19.52 (1.90)	66.62 (2.03)
Black	1992	940	0.20 (*)	2.69 (0.84)	26.54 (2.30)
	1996	818	0.00 (*)	2.48 (0.64)	31.07 (2.73)
Hispanic	1992	169	0.11 (*)	4.18 (1.57)	29.90 (4.31)
	1996	192	0.60 (*)	4.97 (1.89)	36.17 (4.80)
Guam total	1992	1933	0.3 (0.2)	4.7 (0.5)	26.3 (1.4)
	1996	1431	0.2 (*)	3.4 (0.5)	23.0 (1.4)
White	1992	238	0.80 (*)	10.92 (1.94)	42.94 (3.76)
	1996	108	1.39 (*)	10.62 (4.35)	35.47 (6.16)
Black	1992	76	0.50 (*)	2.27 (*)	22.54 (5.77)
Hispanic	1992	388	0.20 (*)	2.28 (0.86)	15.95 (2.25)
	1996	294	0.00 (*)	1.35 (0.81)	13.22 (4.31)
Asian/Pacific Islander	1992	1181	0.21 (*)	4.27 (0.76)	26.67 (1.66)
	1996	942	0.10 (*)	3.43 (0.67)	25.50 (1.53)
Hawaii total	1992	2625	1.1 (0.2)	14.6 (0.9)	51.9 (1.8)
	1996	2578	1.6 (0.4)	16.4 (1.1)	52.9 (1.6)
White	1992	541	1.31 (0.58)	19.64 (2.23)	59.84 (2.38)
	1996	475	2.50 (0.83)	21.90 (2.27)	66.07 (2.84)
Black	1992	114	0.00 (*)	4.57 (2.30)	33.04 (5.89)
	1996	106	0.18 (*)	7.01 (2.49)	37.71 (5.50)
Hispanic	1992	288	0.00 (*)	6.11 (1.27)	33.46 (3.49)
	1996	531	0.19 (*)	6.88 (1.17)	36.57 (2.46)
Asian/Pacific Islander	1992	1582	1.29 (0.33)	15.04 (1.29)	53.81 (2.13)
	1996	1359	2.12 (0.68)	19.27 (1.84)	56.33 (2.43)
American Indian	1996	63	0.31 (*)	12.90 (4.97)	50.05 (8.42)
Idaho					
White	1992	2343	0.82 (0.34)	17.66 (1.08)	66.69 (1.67)
Hispanic	1992	313	0.06 (*)	4.72 (1.37)	36.15 (4.34)
American Indian	1992	74	0.00 (*)	4.60 (2.99)	52.86 (6.05)
Indiana total	1992	2593	1.0 (0.2)	15.6 (1.1)	59.8 (1.7)
	1996	2470	2.1 (0.5)	23.8 (1.6) <sup>+</sup>	72.2 (1.7) <sup>†</sup>
White	1992	2120	1.19 (0.30)	18.05 (1.27)	65.57 (1.55)
	1996	2000	2.42 (0.62)	27.21 (1.71)	77.66 (1.46)
Black	1992	264	0.20 (*)	1.58 (0.71)	21.98 (3.68)
	1996	251	0.00 (*)	3.68 (1.36)	36.36 (5.56)
Hispanic	1992	141	0.00 (*)	3.31 (1.63)	42.41 (3.49)
	1996	158	0.71 (*)	9.49 (2.71)	52.26 (5.13)
lowa total	1992	2770	2.3 (0.4)	26.0 (1.2)	72.4 (1.5)
	1996	2359	1.3 (0.4)	22.1 (1.4)	73.8 (1.4)
White	1992	2472	2.49 (0.44)	27.56 (1.27)	74.47 (1.40)
	1996	2077	1.48 (0.44)	23.63 (1.54)	76.85 (1.41)
Black	1992	64	0.00 (*)	2.34 (*)	28.57 (6.18)
	1996	65	0.00 (*)	4.12 (2.49)	34.17 (5.56)
Hispanic	1992	149	0.12 (*)	13.87 (3.29)	60.74 (5.73)
	1996	143	0.55 (*)	9.44 (2.51)	47.96 (5.69)
Kentucky total	1992	2703	1.0 (0.3)	12.6 (1.2)	50.9 (1.5)
	1996	2579	1.2 (0.3)	15.6 (1.1)	60.2 (1.8)†
White	1992	2293	1.15 (0.30)	13.83 (1.26)	54.04 (1.46)
	1996	2191	1.40 (0.32)	17.42 (1.33)	63.88 (1.89)
Black	1992	232	0.00 (*)	4.05 (1.98)	31.50 (3.89)
	1996	249	0.32 (0.20)	3.66 (1.45)	38.83 (4.08)
Hispanic	1992	114	0.4 (*)	3.90 (2.63)	30.91 (5.08)
	1996	91	0.00 (*)	6.68 (2.44)	33.39 (7.16)

Population	Year	N	At or Above Advanced	At or Above Proficient	At or Above Basic
Louisiana total	1992	2792	0.4 (0.2)	7.6 (0.8)	38.8 (2.0)
	1996	2671	0.4 (0.2)	7.7 (0.9)	44.0 (1.8)
White	1992	1352	0.79 (0.28)	12.87 (1.37)	57.13 (2.63)
	1996	1310	0.75 (0.37)	13.49 (1.64)	63.00 (2.29)
Black	1992	1214	0.03 (*)	1.72 (0.49)	17.60 (1.70)
	1996	1063	0.00 (*)	1.51 (0.77)	23.55 (2.15)
Hispanic	1992	141	0.08 (*)	4.85 (1.86)	33.10 (6.55)
	1996	183	0.07 (*)	3.27 (1.86)	25.89 (3.80)
American Indian	1996	80	0.17 (*)	2.90 (*)	34.63 (6.44)
Maine total	1992	1898	2.4 (0.5)	27.4 (1.5)	74.8 (1.5)
	1996	2115	2.8 (0.6)	27.5 (1.4)	75.5 (1.4)
White	1992	1727	2.51 (0.54)	28.45 (1.71)	75.80 (1.45)
	1996	1967	2.99 (0.59)	28.67 (1.54)	76.63 (1.60)
Hispanic	1992	98	0.59 (*)	13.66 (5.00)	62.68 (6.34)
.I	1996	77	0.46 (*)	8.51 (4.47)	57.06 (5.62)
Maryland total	1992	2844	2.2 (0.3)	18.4 (1.2)	55.1 (1.6)
marylana lolai	1996	2465	2.8 (0.7)	21.6 (1.7)	58.6 (1.8)
White	1992	1710	3.38 (0.51)	26.43 (1.60)	69.73 (1.73)
TTTTTC	1996	1295	3.98 (0.87)	32.45 (2.50)	77.13 (1.79)
Black	1992	810	0.00 (*)	3.19 (0.74)	26.19 (1.88)
Didek	1996	854	0.21 (0.14)	3.82 (0.89)	29.80 (1.88)
Hispanic	1992	169	0.11 (*)	9.52 (3.17)	45.23 (4.57)
Thepathe	1996	182	1.59 (1.06)	11.94 (3.14)	43.29 (5.53)
Asian/Pacific Islander	1992	103	5.08 (2.25)	32.37 (5.51)	77.83 (4.24)
	1996	82	15.23 (5.77)	49.49 (6.20)	84.06 (5.70)
Ad				. ,	
Massachusetts total	1992 1996	2549 2497	2.4 (0.5)	23.3 (1.5)	68.5 (1.6)
White	1998	1974	1.9 (0.5)	24.3 (1.9) 26.80 (1.64)	71.4 (1.8)
vvnite	1992	1974	2.63 (0.51) 2.10 (0.54)	27.53 (2.08)	75.79 (1.40) 77.61 (1.59)
Black	1990	211	0.00 (*)	1.76 (*)	24.47 (5.35)
BIGCK	1992	192	0.45 (*)	6.26 (2.73)	39.18 (6.48)
Hispanic	1990	230	0.43 (*)	8.92 (2.52)	40.63 (4.54)
rispunie	1996	282	0.06 (*)	9.51 (2.82)	46.24 (4.52)
Asian/Pacific Islander	1992	94	6.35 (4.35)	29.36 (8.09)	64.98 (8.78)
	1996	74	7.15 (*)	34.62 (8.18)	76.87 (7.89)
Adiabiana tatal					
Michigan total	1992	2412	1.2 (0.4)	18.5 (1.7)	60.5 (2.2)
\\// ·	1996	2382	2.2 (0.5)	23.0 (1.5)	67.9 (1.8)
White	1992	1750 1775	1.50 (0.43)	22.63 (1.94)	70.10 (2.05)
	1996		2.68 (0.59)	28.32 (1.61)	77.79 (1.73)
Black	1992	348	0.22 (*)	2.11 (1.33)	18.73 (3.49) 30.12 (4.47)
Hispania	1996 1992	313 208	0.05 (*)	3.48 (1.13)	42.89 (3.61)
Hispanic	1992	180	0.85 (*) 0.64 (*)	8.25 (2.35) 6.81 (1.90)	42.06 (5.42)
American Indian	1990	65	0.00 (*)	9.05 (3.66)	50.88 (6.97)
American Indian	1996	69	0.00 (*)	10.85 (4.49)	53.78 (6.97)
				· · ·	
Minnesota total	1992	2640	2.5 (0.4)	25.9 (1.3)	70.6 (1.6)
14/1-1	1996	2425	3.2 (0.5)	29.4 (1.5)	75.5 (1.5)
White	1992	2274	2.78 (0.48)	28.23 (1.36)	74.93 (1.59)
	1996	2028	3.74 (0.58)	32.51 (1.73)	80.74 (1.46)
Black	1992	63	1.03 (0.63)	4.23 (1.88)	27.76 (7.00)
	1996	103	0.00 (*)	2.69 (*)	28.25 (6.17)
Hispanic	1992	185	0.10 (*)	11.19 (2.52)	44.19 (4.95)
	1996	147	0.09 (*)	17.00 (3.67)	54.88 (5.55)
Asian/Pacific Islander	1996	81	2.64 (*)	18.99 (4.72)	60.83 (5.15)
American Indian	1996	62	0.29 (*)	16.21 (5.41)	54.12 (7.59)

Mississippi total         1992         2712         0.3         0.1         6.3         0.6.         35.8         (1.3)           White         1992         1128         0.70         0.23         1.3.0         1.3.1         57.84         1.7.7           Block         1992         1128         0.70         0.23         1.4.43         1.4.2         0.22         2.4.3           Block         1992         13.40         0.0.4 (°)         2.17         0.57         2.4.44         1.99           Hispanic         1992         158         0.00 (°)         2.76         1.7.4         2.4.48         4.4.3           Missouri total         1992         2509         1.3         0.3         1.8.6         1.3         0.58         1.7           White         1992         1922         1.57         0.33         22.35         1.4.7         7.0.12         1.58         1.7           White         1992         1922         1.57         0.33         22.35         1.4.7         7.0.23         7.6.23         7.6.23         7.6.23         7.6.23         7.6.23         7.6.23         7.6.23         7.6.23         7.6.23         7.6.23         7.6.23         7.6.23         7.6.2	Population	Year	N	At or Above Advanced	At or Above Proficient	At or Above Basic
White         1992         1128         0.70         0.23         13.03         1.31         57.84         1.77           Back         1994         1178         0.70         0.034         14.43         1.4.2         62.79         2.43           Hisponic         1994         1340         0.04 (1)         2.16         10.00         1.31         62.01         1.32         19.40         3.46         1.41         1.99           Hisponic         1995         1.41         0.00 (1)         2.78         1.71         2.44         1.64         3.1           Missouri total         1992         2509         1.3         0.31         18.6         1.33         62.1         1.7           White         1992         2529         1.3         0.31         18.6         1.33         62.1         1.7           White         1992         2521         1.3         0.00         1         2.29         0.23         1.6.8         1.7           Black         1992         351         0.71         1         1.0.26         3.1.6         3.0.3         5.2.2         1.3         1.6.9         1.7.1         3.0.2         1.7.1         3.0.3         5.2.2         1.7.1<	Mississippi total	1992	2712	0.3 (0.1)	6.3 (0.6)	35.8 (1.3)
IP96         1178         0.70 (0.34)         14.43 (1.42)         22.72 (2.43)           Block         1992         1379         0.01 (*)         1.26 (0.41)         20.02 (1.47)           Hispanic         1992         158         0.00 (*)         2.00 (1.35)         19.40 (0.44)           Hispanic         1992         158         0.00 (*)         2.78 (1.74)         24.48 (4.53)           Missouri total         1992         2509         1.3 (0.3)         18.6 (1.3)         62.1 (1.7)           White         1992         122 (0.3)         12.78 (1.43)         73.60 (1.53)           Black         1992         351         0.00 (*)         2.29 (0.82)         31.77 (3.02)           Hispanic         1996         1984         1.47 (0.33)         23.76 (1.43)         73.60 (1.53)           Black         1992         151         0.71 (*)         1.02 (0.82)         31.17 (3.02)           Hispanic         1996         166         0.77 (*)         1.01 (9 (3.05)         50.35 (5.29)           Mohtana total         1996         162         0.09 (*)         2.24 (1.4)         70.6 (1.9)           White         1996         162         0.09 (*)         9.52 (2.17)         42.54 (4.03) <tr< td=""><td></td><td>1996</td><td>2716</td><td>0.3 (0.1)</td><td>6.3 (0.6)</td><td>35.8 (1.3)</td></tr<>		1996	2716	0.3 (0.1)	6.3 (0.6)	35.8 (1.3)
IP96         1178         0.70 (0.34)         14.43 (1.42)         22.72 (2.43)           Block         1992         1379         0.01 (*)         1.26 (0.41)         20.02 (1.47)           Hispanic         1992         158         0.00 (*)         2.00 (1.35)         19.40 (0.44)           Hispanic         1992         158         0.00 (*)         2.78 (1.74)         24.48 (4.53)           Missouri total         1992         2509         1.3 (0.3)         18.6 (1.3)         62.1 (1.7)           White         1992         122 (0.3)         12.78 (1.43)         73.60 (1.53)           Black         1992         351         0.00 (*)         2.29 (0.82)         31.77 (3.02)           Hispanic         1996         1984         1.47 (0.33)         23.76 (1.43)         73.60 (1.53)           Black         1992         151         0.71 (*)         1.02 (0.82)         31.17 (3.02)           Hispanic         1996         166         0.77 (*)         1.01 (9 (3.05)         50.35 (5.29)           Mohtana total         1996         162         0.09 (*)         2.24 (1.4)         70.6 (1.9)           White         1996         162         0.09 (*)         9.52 (2.17)         42.54 (4.03) <tr< td=""><td>White</td><td>1992</td><td>1128</td><td>0.70 (0.25)</td><td>13.03 (1.31)</td><td>57.84 (1.77)</td></tr<>	White	1992	1128	0.70 (0.25)	13.03 (1.31)	57.84 (1.77)
Black         1992         1379         0.01 (*)         1.26 (0.41)         20.02 (1.47)           Hispanic         1996         1340         0.04 (*)         2.17 (0.57)         24.14 (1.99)           Hispanic         1996         141         0.00 (*)         2.78 (1.74)         24.48 (4.53)           Missouri total         1992         2509         1.3 (0.3)         18.6 (1.3)         65.8 (1.7)           White         1992         1922         1.57 (0.33)         22.35 (1.47)         70.12 (1.56)           Black         1992         1922         1.57 (0.33)         23.76 (1.43)         73.60 (1.53)           Black         1992         351         0.00 (*)         2.22 (0.58)         31.17 (3.02)           Hispanic         1996         399         0.00 (*)         2.29 (0.82)         31.17 (3.02)           Hispanic         1996         0.77 (*)         10.19 (3.03)         52.64 (1.6)         70.6 (1.9)           White         1996         1791         1.56 (0.46)         25.44 (1.9)         70.6 (1.9)           White         1996         1791         1.56 (0.43)         25.42 (1.7)         42.54 (4.05)           Merizarka total         1996         249         0.58 (0.39)         9.5		1996	1178	0.70 (0.34)	14.43 (1.42)	
Hispanic         1996         1340         0.04 (r)         2.17 (0.57)         24.14 (1.99)           Hispanic         1992         158         0.00 (r)         2.20 (1.3)         19.40 (3.46)           Missouri total         1992         2509         1.3 (0.3)         18.6 (1.3)         62.1 (1.7)           Mise         1992         2509         1.3 (0.3)         18.6 (1.3)         65.8 (1.7)           White         1992         1922         1.57 (0.33)         22.35 (1.47)         70.12 (1.56)           Black         1992         351         0.00 (r)         1.22 (0.79)         26.22 (3.68)           Hispanic         1996         0.00 (r)         1.22 (0.79)         26.22 (3.68)           Hispanic         1996         0.00 (r)         1.22 (0.79)         26.22 (3.68)           Montane total         1996         0.07 (r)         10.04 (3.05)         50.33 (5.29)           Montane total         1996         2251         1.3 (0.4)         22.4 (1.6)         70.6 (1.9)           White         1996         129         0.58 (0.39)         9.52 (2.17)         42.54 (4.05)           Mericon Indion         1996         242         0.09 (r)         1.2.8 (3.4)         57.02 (1.7)	Black	1992	1379	0.01 (*)		20.02 (1.47)
Hispanic         1992         158         0.00 (°)         2.00 (1.35)         19.40 (3.46)           Missouri total         1992         2509         1.3 (0.3)         18.6 (1.3)         65.8 (1.7)           While         1992         2643         1.2 (0.3)         19.7 (1.3)         65.8 (1.7)           While         1992         1922         1.57 (0.33)         22.35 (1.43)         73.6 (0.153)           Black         1992         351         0.00 (°)         1.22 (0.79)         26.23 (3.68)           Hispanic         1996         399         0.00 (°)         1.22 (0.79)         26.3 (3.68)           Hispanic         1996         166         0.77 (°)         10.19 (3.05)         50.35 (5.29)           Montana total         1996         1291         1.3 (0.4)         22.4 (1.6)         70.6 (1.9)           While         1996         162         0.09 (°)         12.89 (3.41)         57.92 (5.35)           American Indian         1996         240         0.58 (0.39)         9.52 (2.17)         42.54 (4.05)           While         1992         2327         2.0 (0.5)         2.18 (1.6)         66.6 (1.8)           While         1992         1252         2.12 (0.55)         2.44 (1.1,4) <td></td> <td>1996</td> <td>1340</td> <td>0.04 (*)</td> <td></td> <td></td>		1996	1340	0.04 (*)		
Missouri totel         1992         2509         1.3         0.3         18.6         1.1         62.1         1.7           White         1996         2643         1.2         (0.3)         19.7         1.3         65.8         1.7           White         1992         1922         1.57         (0.3)         22.35         1.47         70.12         1.56           Block         1992         351         0.00 (*)         1.22         0.79         26.23         3.68           Hispanic         1996         399         0.01 (*)         1.02.6         (3.16)         43.75         (4.84)           Hispanic         1996         1997         1.51         0.71 (*)         10.26         (3.16)         43.75         (4.84)           Hispanic         1996         1791         1.56         0.46)         25.44         (1.9)         76.29         (1.71)           White         1996         1791         1.56         (0.46)         25.44         (1.9)         76.29         (1.71)           Hispanic         1996         249         0.58         (0.39)         2.44         (1.4)         70.2         (1.71)           White         1992         2	Hispanic	1992	158	0.00 (*)	2.00 (1.35)	19.40 (3.46)
Image: Note of the image is a set of the im	•	1996	141	0.00 (*)	2.78 (1.74)	24.48 (4.53)
Image: Note of the image is a set of the im	Missouri total	1992	2509	1.3 (0.3)	18.6 (1.3)	62.1 (1.7)
White         1992         1922         1.57         (0.33)         22.35         (1.47)         70.12         (1.56)           Black         1996         1984         1.47         (0.33)         22.35         (1.43)         73.60         (1.53)           Black         1996         399         0.00         (*)         2.29         (0.82)         31.17         (3.02)           Hispanic         1996         106         0.77         (*)         10.19         (3.05)         50.35         (5.29)           Montana total         1996         122         1.3         (0.4)         2.2.4         (1.6)         70.6         (1.9)           White         1996         122         1.3         (0.4)         2.2.4         (1.6)         70.6         (1.9)           White         1996         2251         1.3         (0.4)         2.2.4         (1.6)         70.5         (2.5)         (2.4)         (1.7)         7.2.2         (1.7)           White         1996         249         0.58         (0.39)         2.52         (2.17)         42.54         (4.05)           White         1992         227         2.0         (0.5)         2.1.8         (1.6) </td <td></td> <td>1996</td> <td>2643</td> <td>1.2 (0.3)</td> <td>19.7 (1.3)</td> <td>65.8 (1.7)</td>		1996	2643	1.2 (0.3)	19.7 (1.3)	65.8 (1.7)
Instruct	White	1992	1922	1.57 (0.33)	22.35 (1.47)	
Hispanic         1996         399         0.00 (*)         2.29 (0.82)         31.17 (3.02)           Hispanic         1992         151         0.71 (*)         10.26 (3.16)         43.75 (4.84)           1996         166         0.77 (*)         10.19 (3.05)         50.35 (5.29)           Montana total         1996         2251         1.3 (0.4)         22.4 (1.6)         70.6 (1.9)           White         1996         1791         1.56 (0.46)         25.44 (1.93)         76.29 (1.71)           Hispanic         1996         162         0.09 (*)         12.89 (3.41)         57.92 (5.35)           American Indian         1996         249         0.58 (0.39)         9.52 (2.17)         42.54 (4.05)           Nebraska total         1992         2327         2.0 (0.5)         24.41 (1.4)         70.2 (1.6)           White         1992         1925         2.12 (0.55)         24.41 (1.75)         72.20 (1.70)           Black         1996         1192         0.8 (0.01*)         3.61 (2.30)         18.00 (3.84)           Hispanic         1996         166         0.00 (*)         3.61 (2.30)         18.00 (3.84)           Hispanic         1996         133         0.35 (*)         12.51 (2.58)		1996	1984		23.76 (1.43)	73.60 (1.53)
Hispanic         1996         399         0.00 (*)         2.29 (0.82)         31.17 (3.02)           Hispanic         1992         151         0.71 (*)         10.26 (3.16)         43.75 (4.84)           1996         166         0.77 (*)         10.19 (3.05)         50.35 (5.29)           Montana total         1996         2251         1.3 (0.4)         22.4 (1.6)         70.6 (1.9)           White         1996         1791         1.56 (0.46)         25.44 (1.93)         76.29 (1.71)           Hispanic         1996         162         0.09 (*)         12.89 (3.41)         57.92 (5.35)           American Indian         1996         249         0.58 (0.39)         9.52 (2.17)         42.54 (4.05)           Nebraska total         1992         2327         2.0 (0.5)         24.41 (1.4)         70.2 (1.6)           White         1992         1925         2.12 (0.55)         24.41 (1.75)         72.20 (1.70)           Black         1996         1192         0.8 (0.01*)         3.61 (2.30)         18.00 (3.84)           Hispanic         1996         166         0.00 (*)         3.61 (2.30)         18.00 (3.84)           Hispanic         1996         133         0.35 (*)         12.51 (2.58)	Black	1992	351	0.00 (*)	1.22 (0.79)	26.23 (3.68)
Hispanic         1992         151         0.71 (*)         10.26 (3.16)         43.75 (4.84)           Montana total         1996         166         0.77 (*)         10.19 (3.05)         50.35 (5.29)           Montana total         1996         2251         1.3 (0.4)         22.4 (1.6)         70.6 (1.9)           White         1996         1791         1.56 (0.46)         25.44 (1.93)         76.29 (1.71)           Hispanic         1996         162         0.09 (*)         12.89 (3.41)         57.92 (5.35)           American Indian         1996         249         0.58 (0.39)         9.52 (2.17)         42.54 (4.05)           Nebraska total         1996         249         0.53 (0.37)         24.41 (1.4)         70.2 (1.6)           White         1992         1925         2.12 (0.55)         24.41 (1.75)         72.20 (1.70)           Black         1996         164         0.31 (*)         4.71 (1.50)         76.50 (1.59)           Black         1992         168         0.16 (0.78)         8.49 (3.41)         46.80 (6.02)           Hispanic         1996         213         0.35 (*)         12.51 (2.58)         43.16 (4.47)           American Indian         1996         71         0.00 (*)		1996	399	0.00 (*)	2.29 (0.82)	
Montana total         1996         2251         1.3 (0.4)         22.4 (1.6)         70.6 (1.9)           White         1996         1791         1.56 (0.46)         25.44 (1.93)         76.29 (1.71)           Hispanic         1996         162         0.09 (*)         12.89 (3.41)         57.92 (5.35)           American Indian         1996         249         0.58 (0.39)         9.52 (2.17)         42.54 (4.05)           Nebraska total         1992         2327         2.0 (0.5)         21.8 (1.6)         66.6 (1.8)           1996         2678         2.3 (0.3)         24.4 (1.4)         70.2 (1.6)         170           White         1992         1925         2.12 (0.55)         24.41 (1.75)         72.20 (1.70)           Black         1996         2199         2.74 (0.37)         27.41 (1.50)         76.50 (1.59)           Black         1996         164         0.31 (*)         4.71 (1.90)         31.57 (3.43)           Hispanic         1996         164         0.31 (*)         4.71 (1.90)         31.57 (3.43)           Hispanic         1996         130         3.5 (*)         12.51 (2.58)         43.16 (4.47)           American Indian         1996         2193         0.8 (0.3) <td< td=""><td>Hispanic</td><td>1992</td><td>151</td><td>0.71 (*)</td><td></td><td>43.75 (4.84)</td></td<>	Hispanic	1992	151	0.71 (*)		43.75 (4.84)
White         1996         1791         1.56 (0.46)         25.44 (1.93)         76.29 (1.71)           Hispanic         1996         162         0.09 (*)         12.89 (3.41)         57.92 (5.35)           American Indian         1996         249         0.58 (0.39)         9.52 (2.17)         42.54 (4.05)           Nebraska total         1996         2678         2.3 (0.3)         24.4 (1.4)         70.2 (1.6)           White         1996         2192         2.12 (0.55)         24.41 (1.75)         72.20 (1.70)           Black         1996         2199         2.74 (0.37)         27.41 (1.50)         76.50 (1.59)           Black         1996         164         0.31 (*)         4.71 (1.90)         31.57 (3.43)           Hispanic         1996         168         1.16 (0.78)         8.49 (3.41)         46.80 (6.02)           1996         1293         0.35 (*)         12.51 (2.58)         43.16 (4.47)           American Indian         1996         139         1.04 (0.39)         18.30 (1.46)         66.97 (2.11)           Black         1996         139         1.04 (0.39)         18.30 (1.46)         66.97 (2.11)           Mite         1996         139         1.04 (*)         2.29 (1.35)		1996	166		10.19 (3.05)	50.35 (5.29)
White         1996         1791         1.56 (0.46)         25.44 (1.93)         76.29 (1.71)           Hispanic         1996         162         0.09 (*)         12.89 (3.41)         57.92 (5.35)           American Indian         1996         249         0.58 (0.39)         9.52 (2.17)         42.54 (4.05)           Nebraska total         1996         2678         2.3 (0.3)         24.4 (1.4)         70.2 (1.6)           White         1996         2192         2.12 (0.55)         24.41 (1.75)         72.20 (1.70)           Black         1996         2199         2.74 (0.37)         27.41 (1.50)         76.50 (1.59)           Black         1996         164         0.31 (*)         4.71 (1.90)         31.57 (3.43)           Hispanic         1996         168         1.16 (0.78)         8.49 (3.41)         46.80 (6.02)           1996         1293         0.35 (*)         12.51 (2.58)         43.16 (4.47)           American Indian         1996         139         1.04 (0.39)         18.30 (1.46)         66.97 (2.11)           Black         1996         139         1.04 (0.39)         18.30 (1.46)         66.97 (2.11)           Mite         1996         139         1.04 (*)         2.29 (1.35)	Montana total	1996	2251	1.3 (0.4)	22.4 (1.6)	70.6 (1.9)
American Indian         1996         249         0.58         (0.39)         9.52         (2.17)         42.54         (4.05)           Nebraska total         1992         2327         2.0         (0.5)         21.8         (1.6)         66.6         (1.8)           White         1996         2678         2.3         (0.3)         24.4         (1.4)         70.2         (1.6)           White         1992         1925         2.12         (0.55)         24.41         (1.75)         72.20         (1.70)           Black         1992         166         0.00 (*)         3.61         (2.30)         18.00         (3.84)           Hispanic         1996         164         0.31 (*)         4.71         (1.90)         31.57         (3.43)           Hispanic         1996         213         0.35 (*)         12.51         (2.58)         43.16         (4.47)           American Indian         1996         71         0.00 (*)         13.97         (5.96)         54.48         (8.48)           Nevada total         1996         1339         1.04         (0.39)         18.30         (1.40)         66.97         (2.11)           Black         1996         467	White	1996	1791	1.56 (0.46)	25.44 (1.93)	
Nebraska total         1992         2327         2.0 (0.5)         21.8 (1.6)         66.6 (1.8)           White         1996         2678         2.3 (0.3)         24.4 (1.4)         70.2 (1.6)           White         1992         1925         2.12 (0.55)         24.41 (1.75)         72.20 (1.70)           Black         1996         2199         2.74 (0.37)         27.41 (1.50)         76.50 (1.59)           Black         1992         166         0.00 (*)         3.61 (2.30)         18.00 (3.84)           Hispanic         1996         164         0.31 (*)         4.71 (1.90)         31.57 (3.43)           Hispanic         1996         213         0.35 (*)         12.51 (2.58)         43.16 (4.47)           American Indian         1996         71         0.00 (*)         13.97 (5.96)         54.48 (8.48)           Nevada total         1996         2193         0.8 (0.3)         14.0 (1.2)         56.9 (1.8)           White         1996         1339         1.04 (0.39)         18.30 (1.46)         66.97 (2.11)           Black         1996         1339         1.04 (0.39)         18.30 (1.46)         66.97 (2.11)           Black         1996         93         1.04 (*)         21.24 (5.74)	Hispanic	1996	162	0.09 (*)	12.89 (3.41)	57.92 (5.35)
New Name         1996         2678         2.3 (0.3)         24.4 (1.4)         70.2 (1.6)           White         1992         1925         2.12 (0.55)         24.41 (1.75)         72.20 (1.70)           Black         1996         2199         2.74 (0.37)         27.41 (1.50)         76.50 (1.59)           Black         1992         166         0.00 (*)         3.61 (2.30)         18.00 (3.84)           1996         164         0.31 (*)         4.71 (1.90)         31.57 (3.43)           Hispanic         1996         213         0.35 (*)         12.51 (2.58)         43.16 (4.47)           American Indian         1996         213         0.35 (*)         13.97 (5.96)         54.48 (8.48)           Nevada total         1996         2193         0.8 (0.3)         14.0 (1.2)         56.9 (1.8)           White         1996         1339         1.04 (0.39)         18.30 (1.46)         66.97 (2.11)           Black         1996         1339         1.04 (*)         21.24 (5.74)         64.09 (7.48)           Asian/Pacific Islander         1996         93         1.04 (*)         21.24 (5.74)         64.09 (7.48)           American Indian         1996         99         0.37 (*)         7.74 (2.89)	American Indian	1996	249	0.58 (0.39)	9.52 (2.17)	42.54 (4.05)
White         1992         1925         2.12 (0.55)         24.41 (1.75)         72.20 (1.70)           Black         1996         2199         2.74 (0.37)         27.41 (1.50)         76.50 (1.59)           Black         1992         166         0.00 (*)         3.61 (2.30)         18.00 (3.84)           1996         164         0.31 (*)         4.71 (1.90)         31.57 (3.43)           Hispanic         1992         168         1.16 (0.78)         8.49 (3.41)         46.80 (6.02)           American Indian         1996         213         0.35 (*)         12.51 (2.58)         43.16 (4.47)           American Indian         1996         2193         0.8 (0.3)         14.0 (1.2)         56.9 (1.8)           White         1996         1339         1.04 (0.39)         18.30 (1.46)         66.97 (2.11)           Black         1996         184         0.00 (*)         2.29 (1.35)         29.63 (4.15)           Hispanic         1996         93         1.04 (*)         21.24 (5.74)         64.09 (7.48)           American Indian         1996         93         1.04 (*)         21.24 (5.74)         64.09 (7.48)           American Indian         1996         99         0.37 (*)         7.74 (2.89)	Nebraska total	1992	2327	2.0 (0.5)	21.8 (1.6)	66.6 (1.8)
White         1992         1925         2.12 (0.55)         24.41 (1.75)         72.20 (1.70)           Black         1996         2199         2.74 (0.37)         27.41 (1.50)         76.50 (1.59)           Black         1992         166         0.00 (*)         3.61 (2.30)         18.00 (3.84)           1996         164         0.31 (*)         4.71 (1.90)         31.57 (3.43)           Hispanic         1992         168         1.16 (0.78)         8.49 (3.41)         46.80 (6.02)           American Indian         1996         213         0.35 (*)         12.51 (2.58)         43.16 (4.47)           American Indian         1996         2193         0.8 (0.3)         14.0 (1.2)         56.9 (1.8)           White         1996         1339         1.04 (0.39)         18.30 (1.46)         66.97 (2.11)           Black         1996         184         0.00 (*)         2.29 (1.35)         29.63 (4.15)           Hispanic         1996         93         1.04 (*)         21.24 (5.74)         64.09 (7.48)           American Indian         1996         93         1.04 (*)         21.24 (5.74)         64.09 (7.48)           American Indian         1996         99         0.37 (*)         7.74 (2.89)		1996	2678	2.3 (0.3)	24.4 (1.4)	70.2 (1.6)
Image: Head of the second state of the seco	White	1992	1925	2.12 (0.55)	24.41 (1.75)	
Hispanic19961640.31 (*)4.71 (1.90)31.57 (3.43)Hispanic19921681.16 (0.78)8.49 (3.41)46.80 (6.02)19962130.35 (*)12.51 (2.58)43.16 (4.47)American Indian1996710.00 (*)13.97 (5.96)54.48 (8.48)Nevada total199621930.8 (0.3)14.0 (1.2)56.9 (1.8)White199613391.04 (0.39)18.30 (1.46)66.97 (2.11)Black19961840.00 (*)2.29 (1.35)29.63 (4.15)Hispanic19964670.31 (*)6.84 (1.25)39.71 (3.16)Asian/Pacific Islander1996931.04 (*)21.24 (5.74)64.09 (7.48)American Indian1996990.37 (*)7.74 (2.89)51.52 (5.30)New HampshireUWhite199220082.24 (0.46)26.51 (1.63)74.15 (1.54)Hispanic19921170.99 (*)10.55 (3.12)54.33 (5.76)New Jersey total199222312.5 (0.6)24.6 (1.5)68.2 (2.1)199619612.5 (0.7)24.9 (1.7)67.8 (2.1)White199214073.25 (0.86)32.18 (2.00)81.14 (1.76)199611333.54 (1.01)35.88 (2.07)84.22 (1.81)Black19923480.22 (0.14)2.63 (1.08)28.67 (3.57)		1996	2199		27.41 (1.50)	76.50 (1.59)
Hispanic         1992         168         1.16         (0.78)         8.49         (3.41)         46.80         (6.02)           American Indian         1996         213         0.35         (*)         12.51         (2.58)         43.16         (4.47)           American Indian         1996         71         0.00         (*)         13.97         (5.96)         54.48         (8.48)           Nevada total         1996         2193         0.8         (0.3)         14.0         (1.2)         56.9         (1.8)           White         1996         1339         1.04         (0.39)         18.30         (1.46)         66.97         (2.11)           Black         1996         184         0.00 (*)         2.29         (1.35)         29.63         (4.15)           Hispanic         1996         467         0.31 (*)         6.84         (1.25)         39.71         (3.16)           Asian/Pacific Islander         1996         93         1.04 (*)         21.24         (5.74)         64.09         (7.48)           American Indian         1996         99         0.37 (*)         7.74         (2.89)         51.52         (5.30)           New Hampshire         1992	Black	1992	166	0.00 (*)	3.61 (2.30)	18.00 (3.84)
119962130.35 (*)12.51 (2.58)43.16 (4.47)American Indian1996710.00 (*)13.97 (5.96)54.48 (8.48)Nevada total199621930.8 (0.3)14.0 (1.2)56.9 (1.8)White199613391.04 (0.39)18.30 (1.46)66.97 (2.11)Black19961840.00 (*)2.29 (1.35)29.63 (4.15)Hispanic19964670.31 (*)6.84 (1.25)39.71 (3.16)Asian/Pacific Islander1996931.04 (*)21.24 (5.74)64.09 (7.48)American Indian1996990.37 (*)7.74 (2.89)51.52 (5.30)New HampshireUWhite199220082.24 (0.46)26.51 (1.63)74.15 (1.54)Hispanic19921170.99 (*)10.55 (3.12)54.33 (5.76)New Jersey total199222312.5 (0.6)24.6 (1.5)68.2 (2.1)199619612.5 (0.7)24.9 (1.7)67.8 (2.1)White199214073.25 (0.86)32.18 (2.00)81.14 (1.76)199611333.54 (1.01)35.88 (2.07)84.22 (1.81)Black19923480.22 (0.14)2.63 (1.08)28.67 (3.57)		1996	164	0.31 (*)	4.71 (1.90)	31.57 (3.43)
American Indian1996710.00 (*)13.97 (5.96)54.48 (8.48)Nevada total199621930.8 (0.3)14.0 (1.2)56.9 (1.8)White199613391.04 (0.39)18.30 (1.46)66.97 (2.11)Black19961840.00 (*)2.29 (1.35)29.63 (4.15)Hispanic19964670.31 (*)6.84 (1.25)39.71 (3.16)Asian/Pacific Islander1996931.04 (*)21.24 (5.74)64.09 (7.48)American Indian1996990.37 (*)7.74 (2.89)51.52 (5.30)New HampshireUWhite199220082.24 (0.46)26.51 (1.63)74.15 (1.54)Hispanic19921170.99 (*)10.55 (3.12)54.33 (5.76)New Jersey total199219612.5 (0.7)24.9 (1.7)67.8 (2.1)White199214073.25 (0.86)32.18 (2.00)81.14 (1.76)199611333.54 (1.01)35.88 (2.07)84.22 (1.81)Black19923480.22 (0.14)2.63 (1.08)28.67 (3.57)	Hispanic	1992	168	1.16 (0.78)	8.49 (3.41)	46.80 (6.02)
Nevada total         1996         2193         0.8 (0.3)         14.0 (1.2)         56.9 (1.8)           White         1996         1339         1.04 (0.39)         18.30 (1.46)         66.97 (2.11)           Black         1996         184         0.00 (*)         2.29 (1.35)         29.63 (4.15)           Hispanic         1996         467         0.31 (*)         6.84 (1.25)         39.71 (3.16)           Asian/Pacific Islander         1996         93         1.04 (*)         21.24 (5.74)         64.09 (7.48)           American Indian         1996         99         0.37 (*)         7.74 (2.89)         51.52 (5.30)           New Hampshire         U <thu< th=""> <thu< <="" td=""><td></td><td>1996</td><td>213</td><td>0.35 (*)</td><td>12.51 (2.58)</td><td>43.16 (4.47)</td></thu<></thu<>		1996	213	0.35 (*)	12.51 (2.58)	43.16 (4.47)
White         1996         1339         1.04 (0.39)         18.30 (1.46)         66.97 (2.11)           Black         1996         184         0.00 (*)         2.29 (1.35)         29.63 (4.15)           Hispanic         1996         467         0.31 (*)         6.84 (1.25)         39.71 (3.16)           Asian/Pacific Islander         1996         93         1.04 (*)         21.24 (5.74)         64.09 (7.48)           American Indian         1996         99         0.37 (*)         7.74 (2.89)         51.52 (5.30)           New Hampshire         V         Vite         1992         2008         2.24 (0.46)         26.51 (1.63)         74.15 (1.54)           Hispanic         1992         117         0.99 (*)         10.55 (3.12)         54.33 (5.76)           New Jersey total         1992         2231         2.5 (0.6)         24.6 (1.5)         68.2 (2.1)           1996         1961         2.5 (0.7)         24.9 (1.7)         67.8 (2.1)         07.8 (2.1)           White         1992         1407         3.25 (0.86)         32.18 (2.00)         81.14 (1.76)           1996         1133         3.54 (1.01)         35.88 (2.07)         84.22 (1.81)         84.22 (1.81)           Black         1992 <td>American Indian</td> <td>1996</td> <td>71</td> <td>0.00 (*)</td> <td>13.97 (5.96)</td> <td>54.48 (8.48)</td>	American Indian	1996	71	0.00 (*)	13.97 (5.96)	54.48 (8.48)
Black19961840.00 (*)2.29 (1.35)29.63 (4.15)Hispanic19964670.31 (*)6.84 (1.25)39.71 (3.16)Asian/Pacific Islander1996931.04 (*)21.24 (5.74)64.09 (7.48)American Indian1996990.37 (*)7.74 (2.89)51.52 (5.30)New HampshireWhite199220082.24 (0.46)26.51 (1.63)74.15 (1.54)Hispanic19921170.99 (*)10.55 (3.12)54.33 (5.76)New Jersey total199222312.5 (0.6)24.6 (1.5)68.2 (2.1)199619612.55 (0.7)24.9 (1.7)67.8 (2.1)White199214073.25 (0.86)32.18 (2.00)81.14 (1.76)199611333.54 (1.01)35.88 (2.07)84.22 (1.81)Black19923480.22 (0.14)2.63 (1.08)28.67 (3.57)	Nevada total	1996	2193	0.8 (0.3)	14.0 (1.2)	56.9 (1.8)
Hispanic19964670.31 (*)6.84 (1.25)39.71 (3.16)Asian/Pacific Islander1996931.04 (*)21.24 (5.74)64.09 (7.48)American Indian1996990.37 (*)7.74 (2.89)51.52 (5.30)New HampshireWhite199220082.24 (0.46)26.51 (1.63)74.15 (1.54)Hispanic19921170.99 (*)10.55 (3.12)54.33 (5.76)New Jersey total199222312.5 (0.6)24.6 (1.5)68.2 (2.1)199619612.5 (0.7)24.9 (1.7)67.8 (2.1)White199214073.25 (0.86)32.18 (2.00)81.14 (1.76)199611333.54 (1.01)35.88 (2.07)84.22 (1.81)Black19923480.22 (0.14)2.63 (1.08)28.67 (3.57)	White	1996	1339	1.04 (0.39)	18.30 (1.46)	66.97 (2.11)
Asian/Pacific Islander1996931.04 (*)21.24 (5.74)64.09 (7.48)American Indian1996990.37 (*)7.74 (2.89)51.52 (5.30)New HampshireWhite199220082.24 (0.46)26.51 (1.63)74.15 (1.54)Hispanic19921170.99 (*)10.55 (3.12)54.33 (5.76)New Jersey total199222312.5 (0.6)24.6 (1.5)68.2 (2.1)199619612.5 (0.7)24.9 (1.7)67.8 (2.1)White199214073.25 (0.86)32.18 (2.00)81.14 (1.76)199611333.54 (1.01)35.88 (2.07)84.22 (1.81)Black19923480.22 (0.14)2.63 (1.08)28.67 (3.57)	Black	1996	184	0.00 (*)	2.29 (1.35)	29.63 (4.15)
American Indian1996990.37 (*)7.74 (2.89)51.52 (5.30)New HampshireWhite199220082.24 (0.46)26.51 (1.63)74.15 (1.54)Hispanic19921170.99 (*)10.55 (3.12)54.33 (5.76)New Jersey total199222312.5 (0.6)24.6 (1.5)68.2 (2.1)New Jersey total199219612.5 (0.7)24.9 (1.7)67.8 (2.1)White199214073.25 (0.86)32.18 (2.00)81.14 (1.76)Black19923480.22 (0.14)2.63 (1.08)28.67 (3.57)	Hispanic	1996	467	0.31 (*)	6.84 (1.25)	39.71 (3.16)
New Hampshire           White         1992         2008         2.24 (0.46)         26.51 (1.63)         74.15 (1.54)           Hispanic         1992         117         0.99 (*)         10.55 (3.12)         54.33 (5.76)           New Jersey total         1992         2231         2.5 (0.6)         24.6 (1.5)         68.2 (2.1)           New Jersey total         1992         1961         2.5 (0.7)         24.9 (1.7)         67.8 (2.1)           White         1992         1407         3.25 (0.86)         32.18 (2.00)         81.14 (1.76)           Black         1992         348         0.22 (0.14)         2.63 (1.08)         28.67 (3.57)	Asian/Pacific Islander	1996	93	1.04 (*)	21.24 (5.74)	64.09 (7.48)
White         1992         2008         2.24 (0.46)         26.51 (1.63)         74.15 (1.54)           Hispanic         1992         117         0.99 (*)         10.55 (3.12)         54.33 (5.76)           New Jersey total         1992         2231         2.5 (0.6)         24.6 (1.5)         68.2 (2.1)           1996         1961         2.5 (0.7)         24.9 (1.7)         67.8 (2.1)           White         1992         1407         3.25 (0.86)         32.18 (2.00)         81.14 (1.76)           1996         1133         3.54 (1.01)         35.88 (2.07)         84.22 (1.81)           Black         1992         348         0.22 (0.14)         2.63 (1.08)         28.67 (3.57)	American Indian	1996	99	0.37 (*)	7.74 (2.89)	51.52 (5.30)
Hispanic         1992         117         0.99 (*)         10.55 (3.12)         54.33 (5.76)           New Jersey total         1992         2231         2.5 (0.6)         24.6 (1.5)         68.2 (2.1)           1996         1961         2.5 (0.7)         24.9 (1.7)         67.8 (2.1)           White         1992         1407         3.25 (0.86)         32.18 (2.00)         81.14 (1.76)           1996         1133         3.54 (1.01)         35.88 (2.07)         84.22 (1.81)           Black         1992         348         0.22 (0.14)         2.63 (1.08)         28.67 (3.57)	New Hampshire					
Hispanic         1992         117         0.99 (*)         10.55 (3.12)         54.33 (5.76)           New Jersey total         1992         2231         2.5 (0.6)         24.6 (1.5)         68.2 (2.1)           1996         1961         2.5 (0.7)         24.9 (1.7)         67.8 (2.1)           White         1992         1407         3.25 (0.86)         32.18 (2.00)         81.14 (1.76)           1996         1133         3.54 (1.01)         35.88 (2.07)         84.22 (1.81)           Black         1992         348         0.22 (0.14)         2.63 (1.08)         28.67 (3.57)	White	1992	2008	2.24 (0.46)	26.51 (1.63)	74.15 (1.54)
1996         1961         2.5 (0.7)         24.9 (1.7)         67.8 (2.1)           White         1992         1407         3.25 (0.86)         32.18 (2.00)         81.14 (1.76)           1996         1133         3.54 (1.01)         35.88 (2.07)         84.22 (1.81)           Black         1992         348         0.22 (0.14)         2.63 (1.08)         28.67 (3.57)	Hispanic	1992	117		10.55 (3.12)	54.33 (5.76)
White         1992         1407         3.25 (0.86)         32.18 (2.00)         81.14 (1.76)           1996         1133         3.54 (1.01)         35.88 (2.07)         84.22 (1.81)           Black         1992         348         0.22 (0.14)         2.63 (1.08)         28.67 (3.57)	New Jersey total	1992	2231	2.5 (0.6)	24.6 (1.5)	68.2 (2.1)
199611333.54 (1.01)35.88 (2.07)84.22 (1.81)Black19923480.22 (0.14)2.63 (1.08)28.67 (3.57)		1996	1961	2.5 (0.7)	24.9 (1.7)	67.8 (2.1)
Black 1992 348 0.22 (0.14) 2.63 (1.08) 28.67 (3.57)	White	1992	1407	3.25 (0.86)	32.18 (2.00)	
		1996	1133	3.54 (1.01)	35.88 (2.07)	84.22 (1.81)
1996 403 0.00 (*) 3.07 (1.80) 35.39 (3.69)	Black	1992	348	0.22 (0.14)	2.63 (1.08)	28.67 (3.57)
		1996	403	0.00 (*)	3.07 (1.80)	35.39 (3.69)
Hispanic         1992         345         0.24 (*)         6.33 (2.03)         41.99 (4.36)	Hispanic	1992	345	0.24 (*)	6.33 (2.03)	41.99 (4.36)
1996         290         0.22 (*)         5.43 (1.96)         39.70 (4.58)		1996	290	0.22 (*)	5.43 (1.96)	39.70 (4.58)
Asian/Pacific Islander         1992         96         5.86 (2.93)         40.05 (4.55)         83.25 (5.49)	Asian/Pacific Islander	1992	96	5.86 (2.93)	40.05 (4.55)	83.25 (5.49)
1996         92         8.25 (3.31)         47.78 (5.04)         92.33 (2.44)		1996	92	8.25 (3.31)	47.78 (5.04)	92.33 (2.44)

#### **Population** Year Ν **Advanced** Proficient Basic New Mexico total 1992 2342 0.6 (0.2) 11.1 (1.3) 49.8 (2.0) 1996 2389 0.8 (0.3) 12.8 (1.2) 50.7 (2.4) White 1992 1015 1.08 (0.37) 18.72 (2.00) 66.46 (2.31) 1996 1038 1.77 (0.56) 22.71 (1.83) 69.33 (2.03) Black 1992 87 0.00 (\*) 3.49 (\*) 33.97 (8.39) 1996 68 0.00 (\*) 3.18 (1.94) 39.70 (10.03) Hispanic 1992 1109 0.17 (\*) 4.76 (1.15) 35.92 (2.57) 0.04 (\*) 1996 1051 5.65 (1.05) 38.20 (2.15) American Indian 1992 91 0.00 (\*) 3.86 (2.55) 41.86 (9.56) 1996 193 0.00 (\*) 2.30 (\*) 27.04 (4.67) New York total 1992 2284 1.5 (0.3) 17.0 (1.3) 57.0 (1.8) 1996 2248 1.7 (0.4) 19.7 (1.2) 64.4 (1.8)\* White 1992 1387 1.87 (0.41) 23.20 (1.85) 70.99 (2.01) 1996 1261 2.62 (0.62) 26.88 (1.65) 79.65 (1.65) Black 1992 290 0.04 (\*) 3.68 (1.40) 30.51 (3.95) 1996 398 0.00 (\*) 4.89 (1.57) 36.91 (4.30) Hispanic 1992 472 0.04 (\*) 5.08 (1.16) 33.05 (2.55) 1996 440 0.67 (\*) 7.61 (1.67) 40.05 (3.25) Asian/Pacific Islander 1992 81 9.17 (3.32) 72.09 (6.43) 36.83 (6.32) 1996 106 32.17 (4.15) 78.39 (4.97) 1.48 (\*) North Carolina total 2884 1992 1.2 (0.3) 12.7 (0.8) 50.3 (1.6) 1996 2658 2.4 (0.4) 21.2 (1.3)\* 64.4 (1.6) White 1992 1.93 (0.47) 1782 18.40 (1.19) 64.60 (1.58) 1996 1729 3.38 (0.56) 28.94 (1.67) 77.35 (1.44) Black 1992 835 0.07 (\*) 23.59 (2.26) 1.91 (0.61) 1996 735 36.50 (2.44) 0.02 (\*) 3.62 (0.67) Hispanic 1992 156 0.12 (\*) 6.74 (2.81) 34.91 (5.83) 1996 107 0.49 (\*) 10.19 (3.60) 42.66 (5.60) American Indian 1992 81 0.00 (\*) 7.73 (4.17) 39.67 (9.77) North Dakota total 1992 2193 1.3 (0.3) 22.2 (1.1) 72.5 (1.3) 1996 1.9 (0.5) 2666 24.3 (1.3) 75.3 (1.9) White 1992 1987 1.42 (0.33) 23.39 (1.17) 74.65 (1.21) 1996 2379 2.11 (0.54) 25.61 (1.41) 77.19 (1.47) Hispanic 1992 83 0.00 (\*) 6.59 (2.98) 49.08 (7.40) 1996 116 66.47 (8.88) 0.27 (\*) 14.61 (6.23) 1992 93 American Indian 7.91 (3.56) 47.32 (6.88) 0.00 (\*) 48.08 (8.93) 1996 123 0.00 (\*) 7.27 (3.09) Ohio White 1992 2056 1.59 (0.31) 18.42 (1.37) 62.43 (1.65) Black 1992 312 0.13 (\*) 2.68 (1.05) 23.30 (3.61) 0.15 (\*) Hispanic 1992 163 7.43 (1.87) 45.48 (5.08) American Indian 1992 2.05 (\*) 11.23 (5.19) 58.14 (8.09) 63 Oklahoma White 1992 1643 1.11 (0.41) 16.91 (1.42) 66.28 (1.88) 0.00 (\*) Black 1992 206 2.57 (1.29) 29.16 (3.87) Hispanic 1992 1.58 45.00 (4.15) 0.00 (\*) 6.19 (2.78) American Indian 1992 223 0.00 (\*) 7.21 (2.06) 47.62 (4.47) Oregon total 1996 2233 2.1 (0.5) 20.7 (1.3) 64.7 (2.2) 1754 White 1996 2.29 (0.55) 23.49 (1.52) 69.83 (2.21)

#### Exhibit 27. 1992, 1996 Mathematics NAEP, Grade 4 (continued)

At or Above

At or Above

At or Above

Hispanic

Asian/Pacific Islander

American Indian

1996

1996

1996

240

94

90

0.30 (\*)

0.25 (\*)

4.14 (2.34)

34.36 (4.28)

73.20 (6.38)

49.69 (6.48)

6.38 (1.58)

23.50 (5.23)

8.83 (3.92)

Population	Year	N	At or Above Advanced	At or Above Proficient	At or Above Basic
Pennsylvania total	1992	2740	2.0 (0.4)	21.8 (1.5)	64.9 (2.0)
	1996	2347	1.4 (0.3)	20.5 (1.5)	68.4 (1.8)
White	1992	2039	2.46 (0.50)	26.49 (1.56)	74.31 (1.77)
	1996	1795	1.69 (0.38)	24.31 (1.76)	77.08 (1.97)
Black	1992	389	0.00 (*)	2.33 (0.91)	22.85 (2.63)
	1996	268	0.00 (*)	2.44 (1.21)	26.62 (3.34)
Hispanic	1992	218	0.68 (*)	7.25 (2.37)	37.50 (4.01)
	1996	207	0.07 (*)	7.45 (2.15)	39.35 (4.18)
Rhode Island total	1992	2390	1.2 (0.4)	13.3 (1.1)	54.2 (2.2)
	1996	2461	1.3 (0.3)	17.4 (1.3)	60.9 (2.0)
White	1992	1842	1.51 (0.51)	16.62 (1.31)	63.07 (2.00)
	1996	1890	1.39 (0.33)	20.35 (1.45)	68.24 (2.09)
Black	1992	161	0.00 (*)	1.85 (*)	19.93 (4.06)
	1996	140	0.00 (*)	3.07 (1.69)	25.41 (4.58)
Hispanic	1992	264	0.00 (*)	1.53 (0.80)	23.01 (3.29)
	1996	306	0.49 (*)	6.89 (2.04)	35.31 (4.59)
Asian/Pacific Islander	1992	71	0.00 (*)	1.36 (*)	24.02 (5.36)
	1996	72	4.82 (2.77)	16.31 (4.64)	47.77 (8.79)
South Carolina total	1992	2771	0.9 (0.3)	12.8 (1.1)	47.6 (1.7)
	1996	2364	1.0 (0.3)	11.8 (1.3)	48.4 (2.0)
White	1992	1500	1.43 (0.50)	20.84 (1.72)	66.15 (1.85)
	1996	1232	1.88 (0.55)	19.14 (2.13)	65.54 (2.20)
Black	1992	1062	0.10 (*)	1.88 (0.53)	22.92 (1.89)
	1996	933	0.00 (*)	2.14 (0.69)	26.97 (2.48)
Hispanic	1992	151	0.37 (*)	6.45 (1.97)	32.93 (4.19)
	1996	134	0.10 (*)	4.66 (1.66)	27.15 (5.45)
Tennessee total	1992	2708	0.5 (0.2)	9.9 (1.0)	47.3 (2.0)
	1996	2473	1.3 (0.3)	16.5 (1.5) <sup>†</sup>	58.5 (2.0)†
White	1992	1850	0.61 (0.29)	12.98 (1.17)	57.80 (2.09)
	1996	1758	1.66 (0.39)	20.67 (1.85)	68.05 (1.87)
Black	1992	645	0.00 (*)	1.25 (0.59)	21.01 (2.63)
	1996	563	0.16 (*)	2.75 (0.99)	28.10 (3.22)
Hispanic	1992	144	0.00 (*)	2.66 (*)	21.97 (5.11)
	1996	99	1.20 (*)	12.18 (4.15)	45.40 (6.01)
Texas total	1992	2623	1.2 (0.3)	15.0 (1.2)	55.7 (1.6)
	1996	2413	2.8 (0.5)	25.3 (1.5)†	69.4 (1.9) <sup>†</sup>
White	1992	1225	1.99 (0.72)	22.86 (1.96)	71.57 (2.11)
	1996	1213	5.02 (0.74)	40.25 (2.15)	85.41 (1.80)
Black	1992	389	0.00 (*)	3.23 (1.05)	29.09 (4.01)
	1996	353	0.35 (*)	6.64 (1.96)	46.68 (3.02)
Hispanic	1992	913	0.27 (*)	7.36 (1.28)	42.54 (2.70)
	1996	751	0.57 (*)	10.71 (1.36)	54.53 (3.09)
Asian/Pacific Islander	1992	67	4.49 (2.14)	34.39 (9.45)	78.72 (4.54)
Utah total	1992	2799	1.4 (0.3)	19.0 (1.1)	65.6 (1.7)
	1996	2625	1.7 (0.4)	22.7 (1.3)	68.6 (1.6)
White	1992	2397	1.59 (0.35)	20.83 (1.13)	68.57 (1.69)
	1996	2184	1.98 (0.51)	25.65 (1.40)	73.35 (1.62)
Hispanic	1992	274	0.00 (*)	7.14 (2.20)	46.56 (3.31)
	1996	291	0.14 (*)	7.19 (2.37)	45.58 (4.32)
American Indian	1996	65	0.97 (*)	9.96 (4.88)	46.14 (8.56)
Vermont total	1996	2136	2.7 (0.5)	22.6 (1.1)	66.8 (2.1)
White	1996	1883	2.78 (0.51)	23.52 (1.15)	68.57 (2.24)
Hispanic	1996	136	1.71 (*)	14.31 (4.10)	53.48 (6.38)

Population	Year	N	At or Above Advanced	At or Above Proficient	At or Above Basic
Virginia total	1992	2786	2.3 (0.5)	18.8 (1.5)	58.6 (1.4)
	1996	2586	1.9 (0.5)	19.3 (1.5)	61.9 (2.2)
White	1992	1876	3.13 (0.69)	24.73 (1.95)	69.95 (1.87)
	1996	1668	2.39 (0.61)	24.89 (1.93)	72.77 (2.06)
Black	1992	640	0.08 (*)	3.20 (0.90)	25.22 (2.06)
	1996	636	0.09 (*)	4.18 (0.81)	33.59 (2.70)
Hispanic	1992	134	0.00 (*)	9.23 (3.33)	47.62 (5.65)
	1996	150	0.41 (*)	9.27 (3.12)	51.65 (6.42)
Asian/Pacific Islander	1992	89	5.56 (*)	25.92 (6.84)	81.96 (4.79)
	1996	82	7.91 (3.99)	39.05 (6.08)	80.00 (4.93)
Washington total	1996	2640	1.4 (0.2)	20.9 (1.2)	66.7 (1.8)
White	1996	1918	1.85 (0.34)	24.14 (1.29)	71.93 (1.94)
Black	1996	134	0.00 (*)	5.87 (2.83)	35.08 (5.00)
Hispanic	1996	268	0.18 (*)	9.09 (2.19)	44.35 (3.63)
Asian/Pacific Islander	1996	179	0.12 (*)	21.44 (3.55)	72.03 (4.51)
American Indian	1996	137	0.13 (*)	14.12 (3.00)	62.48 (5.21)
West Virginia total	1992	2786	1.0 (0.3)	12.2 (0.9)	52.4 (1.5)
-	1996	2530	1.7 (0.5)	19.0 (1.2)*	63.5 (1.6) <sup>†</sup>
White	1992	2516	1.13 (0.30)	12.96 (0.97)	53.70 (1.51)
	1996	2191	1.71 (0.46)	20.16 (1.28)	65.99 (1.74)
Black	1992	71	0.00 (*)	2.03 (*)	40.38 (5.62)
	1996	104	0.00 (*)	6.56 (3.44)	36.45 (7.64)
Hispanic	1992	130	0.00 (*)	5.40 (2.79)	37.40 (4.41)
	1996	156	0.67 (*)	8.68 (2.86)	47.31 (4.77)
Wisconsin total	1992	2780	2.2 (0.4)	24.5 (1.4)	70.9 (1.4)
	1996	2437	2.7 (0.6)	27.4 (1.3)	74.1 (1.2)
White	1992	2236	2.62 (0.41)	28.53 (1.55)	77.93 (1.25)
	1996	1911	3.19 (0.66)	31.85 (1.46)	81.29 (0.96)
Black	1992	186	0.00 (*)	2.10 (1.02)	25.57 (4.15)
	1996	255	0.00 (*)	4.74 (1.40)	31.27 (2.80)
Hispanic	1992	210	0.60 (*)	9.99 (2.74)	50.20 (4.24)
	1996	166	0.77 (*)	10.10 (3.55)	49.51 (5.55)
American Indian	1992	86	0.00 (*)	5.83 (2.48)	40.16 (9.03)
Wyoming total	1992	2605	1.0 (0.3)	18.7 (1.1)	68.6 (1.4)
	1996	2758	1.3 (0.3)	18.8 (1.2)	64.0 (1.7)
White	1992	2146	1.13 (0.37)	20.63 (1.28)	72.01 (1.48)
	1996	2251	1.53 (0.39)	21.33 (1.26)	68.03 (1.57)
Hispanic	1992	293	0.15 (*)	8.18 (1.70)	54.25 (3.90)
	1996	353	0.55 (*)	7.18 (2.05)	44.33 (3.90)
American Indian	1992	124	0.00 (*)	9.19 (3.30)	49.34 (7.02)
	1996	98	0.00 (*)	6.52 (3.18)	47.28 (7.51)

(\*)Standard error estimates cannot be precisely determined.

Significantly different from 1992
 DoDEA/DDESS: Department of Defense Educational Activity/Department of Defense Domestic Dependent Elementary and Secondary Schools
 DoDEA/DoDDS: Department of Defense Educational Activity/Department of Defense Dependent Schools (Overseas)

# Exhibit 28. 1990, 1992, 1996 Mathematics NAEP, Grade 8: Percentage of Students in Each Participating Jurisdiction At or Above Each Achievement Level, by Race/Ethnicity (Standard errors in parentheses)

Note: Data were collected in each participating state on the number of White, Black, Hispanic, Asian/Pacific Islander, and American Indian students who took the NAEP. If the sample size of one or more of these populations was too small to produce accurate data, the categories were omitted for the state in the table below.

Population	Year	N	At or Above Advanced	At or Above Proficient	At or Above Basic
Alabama total	1990	2531	1.0 (0.2)	9.1 (0.7)	40.3 (1.7)
	1992	2522	0.9 (0.3)	10.2 (0.9)	38.8 (1.9)
	1996	2261	1.2 (0.4)	12.0 (1.8)	45.2 (2.6)
White	1990	1638	1.29 (0.28)	12.33 (0.95)	51.77 (1.81)
	1992	1568	1.35 (0.41)	15.35 (1.32)	52.73 (2.01)
	1996	1313	1.89 (0.57)	18.13 (2.74)	62.76 (3.16)
Black	1990	727	0.11 (*)	2.18 (0.61)	17.71 (2.05)
	1992	785	0.00 (*)	1.11 (0.45)	14.77 (1.74)
	1996	797	0.02 (*)	1.44 (0.47)	16.74 (2.03)
Hispanic	1990	110	0.97 (*)	3.88 (1.69)	15.14 (4.66)
	1992	106	0.00 (*)	0.89 (*)	11.60 (3.77)
	1996	91	0.00 (*)	5.86 (2.58)	22.95 (5.00)
Alaska total	1996	1462	6.7 (1.1)	29.9 (1.6)	67.7 (2.3)
White	1996	1031	8.58 (1.45)	36.92 (1.91)	77.18 (2.17)
Hispanic	1996	84	0.00 (*)	13.33 (4.85)	44.20 (8.11)
Asian/Pacific Islander	1996	63	10.08 (6.80)	30.24 (9.08)	65.00 (6.86)
American Indian	1996	224	1.33 (*)	11.79 (2.60)	46.29 (4.52)
Arizona total	1990	2558	1.3 (0.4)	12.7 (0.9)	47.5 (1.8)
	1992	2617	1.4 (0.3)	15.1 (1.3)	54.7 (1.8) <sup>±</sup>
	1996	2136	1.8 (0.3)	17.7 (1.2) <sup>‡</sup>	57.4 (1.9) <sup>±</sup>
White	1990	1488	1.85 (0.53)	18.30 (1.24)	61.28 (1.72)
	1992	1569	2.14 (0.55)	21.59 (1.71)	67.90 (1.92)
	1996	1248	2.60 (0.51)	24.55 (1.69)	71.68 (1.78)
Black	1990	86	0.00 (*)	3.76 (2.06)	29.86 (5.64)
	1992	105	0.26 (*)	4.50 (2.54)	31.14 (6.47)
	1996	72	0.00 (*)	4.81 (2.71)	34.41 (6.17)
Hispanic	1990	761	0.13 (*)	3.73 (0.94)	27.15 (2.16)
	1992	720	0.40 (0.24)	4.79 (1.26)	32.37 (3.65)
	1996	645	0.57 (*)	6.36 (1.06)	34.62 (2.60)
American Indian	1990	173	0.00 (*)	0.27 (*)	17.68 (2.79)
	1992	172	0.00 (*)	5.64 (2.85)	38.74 (5.15)
	1996	119	0.14 (*)	8.67 (5.26)	39.96 (9.92)
Arkansas total	1990	2669	0.7 (0.2)	9.3 (0.7)	43.9 (1.2)
	1992	2556	0.7 (0.2)	10 (0.8)	44.3 (1.8)
	1996	1845	1.6 (0.4)	13.1 (1.0)‡	51.9 (1.8)**
White	1990	1924	0.99 (0.30)	12.23 (0.87)	54.92 (1.40)
	1992	1860	0.96 (0.30)	12.95 (0.97)	54.73 (1.97)
	1996	1338	2.16 (0.49)	16.52 (1.26)	61.93 (1.75)
Black	1990	580	0.00 (*)	0.80 (0.38)	13.12 (1.30)
	1992	538	0.06 (*)	1.65 (0.85)	14.14 (1.89)
	1996	406	0.05 (*)	2.19 (0.90)	17.39 (2.92)
Hispanic	1990	96	0.00 (*)	(2.47) (*)	16.29 (5.03)
	1992	109	0.61 (*)	3.01 (1.77)	17.93 (4.45)

Population	Year	N	At or Above Advanced	At or Above Proficient	At or Above Basic
California total	1990	2424	1.7 (0.3)	12.5 (1.1)	44.6 (1.7)
	1992	2516	2.2 (0.7)	16.2 (1.3)	50.4 (1.9)
	1996	2290	2.8 (0.5)	16.9 (1.5)‡	51.4 (2.1)*
White	1990	1091	2.63 (0.56)	19.44 (1.92)	61.33 (2.19)
	1992	1125	3.45 (1.40)	24.65 (2.23)	69.03 (2.06)
	1996	940	3.87 (0.91)	28.10 (2.31)	71.20 (1.99)
Black	1990	167	0.00 (*)	2.62 (1.26)	19.44 (2.91)
	1992	176	0.00 (*)	2.40 (1.24)	21.30 (4.39)
	1996	171	0.00 (*)	1.51 (*)	25.29 (4.39)
Hispanic	1990	818	0.14 (*)	2.96 (0.73)	23.43 (2.23)
	1992	900	0.18 (*)	4.36 (1.01)	28.35 (2.11)
	1996	857	0.41 (*)	4.77 (0.83)	32.02 (2.35)
Asian/Pacific Islander	1990	302	3.54 (1.25)	20.49 (3.09)	59.01 (4.54)
	1992	281	5.29 (1.70)	28.95 (3.25)	64.68 (3.75)
	1996	277	8.65 (1.46)	29.31 (4.08)	66.65 (4.50)
Colorado total	1990	2675	1.9 (0.4)	16.9 (1.0)	57.5 (1.2)
	1992	2799	2.1 (0.4)	21.6 (1.2)‡	63.9 (1.4) <sup>‡</sup>
	1996	2530	3.2 (0.5)	25.4 (1.3) <sup>‡</sup>	66.6 (1.3) <sup>‡</sup>
White	1990	1952	2.31 (0.43)	21.00 (1.21)	66.11 (1.35)
	1992	2048	2.58 (0.57)	26.11 (1.41)	71.75 (1.36)
	1996	1767	3.95 (0.57)	31.24 (1.40)	75.70 (1.18)
Black	1990	118	0.00 (*)	1.40 (*)	20.12 (5.46)
	1992	123	0.00 (*)	5.12 (2.85)	26.19 (6.21)
	1996	139	0.27 (*)	7.69 (3.62)	39.52 (4.81)
Hispanic	1990	498	0.20 (*)	4.31 (0.98)	32.36 (2.55)
	1992	510	0.31 (*)	7.39 (1.11)	40.96 (2.51)
	1996	511	0.88 (0.52)	9.67 (1.52)	43.34 (3.10)
Asian/Pacific Islander	1996	71	6.78 (3.97)	36.79 (8.56)	76.27 (9.90)
Connecticut total	1990	2672	3.4 (0.4)	21.7 (0.9)	59.9 (1.4)
	1992	2613	3.2 (0.6)	25.7 (1.1) <sup>‡</sup>	64.4 (1.4)
	1996	2485	5.1 (0.6) <sup>‡</sup>	30.6 (1.5) <sup>‡</sup>	70.3 (1.4)**
White	1990	2110	4.00 (0.49)	25.91 (1.09)	68.68 (1.49)
	1992	1958	3.97 (0.75)	32.41 (1.24)	76.75 (1.22)
	1996	1911	6.16 (0.72)	37.02 (1.60)	79.97 (1.36)
Black	1990	259	0.10 (*)	3.76 (1.44)	27.98 (3.64)
	1992	284	0.07 (*)	3.33 (1.21)	26.60 (3.88)
110	1996	235	0.00 (*)	3.93 (1.52)	28.54 (3.76)
Hispanic	1990	230	0.52 (*)	3.73 (1.52)	23.06 (3.31)
	1992 1996	286 253	0.17 (*)	4.16 (1.26) 7.85 (1.91)	26.92 (3.20)
Asian/Pacific Islander	1990	253 66	0.79 (*)	45.35 (8.77)	37.24 (2.54)
Asian/ racine islander	1992	65	11.14 (5.07) 8.69 (3.96)	34.60 (7.90)	74.80 (7.15) 70.33 (7.77)
Delaware total	1990	2110	1.9 (0.4)	14.2 (0.8)	47.8 (1.5)
	1992	1934	2.3 (0.4)	15.1 (1.0)	51.6 (1.2)
	1996	1798	3.0 (0.6)	18.9 (1.0) <sup>‡</sup>	55.1 (1.3) <sup>‡</sup>
White	1990	1422	2.33 (0.64)	17.96 (1.02)	56.39 (2.06)
	1992 1996	1275 1207	3.11 (0.65)	20.65 (1.25)	63.69 (1.70)
Black	1990	515	3.74 (0.79) 0.06 (*)	23.96 (1.38) 3.96 (0.93)	65.66 (1.82) 27.03 (2.89)
DIUCK	1990	483	0.15 (0.09)	2.71 (1.12)	25.03 (2.33)
	1992	483	0.33 (*)	3.60 (1.25)	26.56 (4.16)
Hispanic	1990	110	0.30 (*)	5.83 (3.26)	28.13 (5.96)
risponie	1990	115	0.00 (*)	3.43 (*)	28.65 (4.04)
	1996	91	0.85 (*)	7.89 (3.18)	35.87 (5.48)
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Population	Year	N	At or Above Advanced	At or Above Proficient	At or Above Basic
District of Columbia total	1990	2135	0.8 (0.2)	3.1 (0.6)	16.6 (1.0)
	1992	1816	0.6 (0.2)	4.4 (0.9)	21.8 (1.1)‡
	1996	1693	1.2 (0.3)	5.4 (0.8)	19.8 (1.2)
White	1996	62	22.19 (6.99)	60.83 (9.17)	78.88 (6.26)
Black	1990	1840	0.06 (*)	1.38 (0.38)	14.82 (0.76)
	1992	1576	0.00 (*)	2.42 (0.62)	19.88 (1.28)
	1996	1416	0.23 (*)	2.46 (0.63)	16.73 (1.45)
Hispanic	1990	192	0.28 (*)	1.88 (1.13)	9.57 (2.33)
	1992	157	0.12 (*)	5.84 (3.15)	18.99 (3.24)
	1996	171	0.31 (*)	3.55 (1.54)	16.05 (4.06)
DoDEA/DDESS <sup>®</sup> total	1996	620	5.0 (1.1)	21.4 (2.4)	57.0 (3.1)
White	1996	250	9.33 (2.26)	34.20 (4.70)	74.18 (5.47)
Black	1996	185	0.97 (*)	7.50 (3.07)	39.16 (5.95)
Hispanic	1996	140	3.14 (*)	17.72 (5.16)	51.85 (7.67)
DoDEA/DoDDS <sup>b</sup> total	1996	2160	3.3 (0.6)	22.8 (1.2)	65.4 (1.4)
White	1996	994	4.74 (1.04)	31.65 (1.84)	76.65 (2.23)
Black	1996	437	0.56 (*)	6.07 (1.20)	39.14 (3.80)
Hispanic	1996	341	1.07 (0.71)	14.52 (2.98)	59.48 (4.16)
Asian/Pacific Islander	1996	271	4.94 (2.56)	24.14 (4.16)	72.26 (3.80)
Florida total	1990	2534	1.4 (0.3)	12 (0.9)	42.7 (1.4)
	1992	2549	1.5 (0.3)	14.6 (1.2)	48.8 (1.9)
	1996	2401	1.7 (0.4)	16.9 (1.3) <sup>‡</sup>	53.7 (2.1) <sup>‡</sup>
White	1990	1548	2.01 (0.50)	15.83 (1.36)	53.52 (1.94)
	1992	1444	2.30 (0.44)	22.38 (1.69)	64.45 (1.95)
	1996	1341	2.60 (0.75)	25.98 (1.89)	71.90 (2.25)
Black	1990	495	0.04 (*)	2.44 (0.79)	16.78 (1.76)
	1992	571	0.24 (*)	3.00 (0.94)	21.67 (2.76)
	1996	504	0.06 (*)	2.60 (1.13)	20.79 (2.25)
Hispanic	1990	398	0.98 (0.46)	7.82 (1.40)	31.41 (2.77)
	1992	452	0.13 (*)	5.14 (1.49)	33.38 (3.87)
	1996	481	0.55 (0.35)	7.83 (1.63)	39.34 (2.58)
Asian/Pacific Islander	1990	65	2.19 (*)	28.42 (6.83)	63.35 (6.76)
Georgia total	1990	2766	2.4 (0.4)	13.8 (1.2)	47.2 (1.5)
-	1992	2589	1.1 (0.3)	12.7 (0.9)	47.9 (1.7)
	1996	2364	2.1 (0.5)	15.9 (1.8)	51.1 (2.0)
White	1990	1678	3.65 (0.63)	19.81 (1.70)	61.71 (1.81)
	1992	1506	1.84 (0.42)	18.72 (1.36)	63.08 (2.14)
	1996	1361	3.29 (0.74)	24.09 (2.56)	68.18 (2.15)
Black	1990	886	0.15 (*)	3.67 (0.77)	24.75 (1.73)
	1992	925	0.08 (*)	3.05 (0.59)	24.07 (1.94)
	1996	836	0.02 (*)	2.65 (0.80)	24.16 (1.68)
Hispanic	1990	153	0.46 (*)	3.45 (1.58)	20.18 (3.70)
	1992	100	0.00 (*)	3.90 (*)	23.75 (8.70)
	1996	103	1.08 (*)	9.64 (4.22)	35.51 (6.57)
Guam total	1990	1617	0.4 (0.2)	3.8 (0.4)	21.7 (1.0)
	1992	1496	0.5 (0.1)	5.6 (0.6)	25.3 (1.4)
	1996	928	0.5 (*)	5.8 (0.8)	29.0 (1.6)‡
White	1990	109	1.11 (*)	10.09 (2.52)	47.68 (5.32)
	1992	68	2.28 (*)	19.07 (7.06)	59.58 (7.69)
Hispanic	1990	308	0.00 (*)	0.58 (*)	6.17 (1.46)
	1992	226	0.00 (*)	2.54 (1.26)	14.65 (2.70)
	1996	157	0.00 (*)	2.44 (1.36)	15.58 (2.99)
Asian/Pacific Islander	1990	1163	0.51 (0.23)	4.04 (0.57)	23.28 (1.19)
	1992	1141	0.52 (0.21)	5.53 (0.59)	25.48 (1.50)
	1996	707	0.39 (*)	6.06 (1.12)	30.87 (2.15)

Population	Year	N	At or Above Advanced	At or Above Proficient	At or Above Basic
Hawaii total	1990	2551	1.6 (0.3)	11.7 (0.7)	40.0 (1.0)
	1992	2454	1.8 (0.3)	13.5 (0.7)	46.2 (1.1) <sup>‡</sup>
	1996	2189	2.3 (0.4)	15.9 (0.9)*	51.0 (1.5)*
White	1990	445	1.72 (0.79)	16.74 (2.76)	53.45 (2.49)
	1992	436	1.79 (1.06)	17.93 (2.31)	56.61 (2.54)
	1996	344	2.96 (1.07)	22.22 (3.49)	62.36 (3.30)
Liter and a	1990	264			
Hispanic			0.36 (*)	3.63 (1.42)	18.05 (3.17)
	1992	260	0.40 (*)	3.94 (0.97)	29.26 (2.81)
	1996	362	0.54 (*)	6.98 (1.65)	33.1 (3.11)
Asian/Pacific Islander	1990	1738	1.84 (0.42)	12.27 (0.76)	40.42 (1.22)
	1992	1634	2.15 (0.47)	14.73 (0.83)	47.72 (1.52)
	1996	1344	2.74 (0.64)	17.80 (1.26)	54.63 (1.75)
Idaho					
White	1990	2419	1.26 (0.38)	19.46 (1.29)	66.42 (1.31)
	1992	2297	2.35 (0.38)	23.43 (1.25)	70.99 (1.05)
Hispanic	1990	180	0.22 (*)	4.84 (1.79)	34.26 (4.72)
	1992	193	0.00 (*)	6.56 (2.02)	40.14 (4.33)
American Indian	1990	78	0.25 (*)	5.16 (*)	36.47 (7.26)
	1992	72	0.32 (*)	9.37 (4.64)	46.26 (6.48)
	1	, 2	0.02 ( )		.5.20 (5.40)
Illinois					
White	1990	1767	2.38 (0.54)	18.85 (1.63)	62.46 (1.81)
Black	1990	474	0.22 (*)	3.36 (1.18)	19.72 (4.63)
Hispanic	1990	339	0.00 (*)	2.87 (1.24)	23.50 (3.83)
Asian/Pacific Islander	1990	77	3.83 (2.25)	32.14 (5.39)	70.32 (5.99)
Indiana total	1990	2569	2.5 (0.5)	16.6 (1.1)	56.4 (1.5)
	1992	2659	2.6 (0.4)	19.7 (1.2)	59.9 (1.5)
	1996	2347	3.0 (0.5)	23.6 (1.7)*	68.0 (2.0)**
White	1990	2191	2.74 (0.53)	18.45 (1.13)	61.55 (1.42)
· · · · · · · · · · · · · · · · · · ·	1992	2237	2.88 (0.47)	22.18 (1.33)	64.56 (1.61)
	1996	1890	3.49 (0.66)	27.25 (1.84)	74.42 (1.89)
Black	1990	205	0.57 (*)	1.95 (1.02)	22.86 (3.90)
DIGCK	1990				
	1992	242	0.10 (*)	3.50 (1.35)	27.12 (4.06)
		291	0.10 (*)	2.48 (1.00)	30.77 (4.41)
Hispanic	1990	114	0.96 (*)	7.63 (3.24)	28.38 (4.05)
	1992	114	1.78 (*)	7.88 (2.94)	40.63 (7.39)
	1996	123	0.67 (*)	9.55 (3.15)	44.29 (7.59)
lowa total	1990	2474	3.3 (0.5)	25.1 (1.4)	70.0 (1.2)
	1992	2816	3.9 (0.7)	31.2 (1.3) <sup>‡</sup>	76.4 (1.3) <sup>‡</sup>
	1996	2169	3.9 (0.6)	31.5 (1.8)*	77.6 (1.4)*
White	1990	2277	3.42 (0.54)	26.46 (1.50)	72.16 (1.34)
	1992	2594	4.07 (0.70)	32.49 (1.38)	78.38 (1.41)
	1996	1977	4.09 (0.58)	32.95 (1.83)	79.31 (1.41)
Black	1996	66	0.35 (*)	10.72 (4.14)	38.43 (6.91)
Hispanic	1990	105	0.46 (*)	8.88 (2.95)	39.27 (4.87)
rispanie	1992	106	0.36 (*)	12.18 (4.67)	45.86 (5.19)
	1996	67	0.57 (*)	11.54 (5.05)	56.92 (6.31)
Kentucky total	1990	2680	1.1 (0.3)	10.5 (0.8)	43.0 (1.7)
	1992	2756	1.6 (0.3)	13.8 (1.1)	51.2 (1.5)*
	1996	2461	1.4 (0.3)	15.7 (1.2)*	56.5 (1.6) <sup>‡</sup>
White	1990	2275	1.15 (0.28)	11.78 (0.91)	46.61 (1.80)
	1992	2381	1.58 (0.32)	14.91 (1.19)	54.70 (1.51)
	1996	2148	1.60 (0.41)	17.34 (1.32)	59.64 (1.61)
Black	1990	243	0.10 (*)	2.45 (0.93)	23.29 (3.42)
	1992	245	0.16 (*)	4.43 (1.79)	24.78 (3.62)
	1996	221	0.08 (*)	2.19 (*)	30.72 (4.00)
Hispanic	1990	108	0.00 (*)	0.82 (*)	13.91 (3.79)
	1992	81	0.00 (*)	4.06 (2.53)	22.52 (5.74)
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Population	Year	N	At or Above Advanced	At or Above Proficient	At or Above Basic
Louisiana total	1990	2572	0.5 (0.2)	5.4 (0.6)	31.7 (1.6)
	1992	2582	0.5 (0.2)	7.2 (1.0)	36.6 (1.9)
	1996	2599	0.5 (0.2)	7.4 (1.1)	38.5 (2.0)‡
White	1990	1390	0.84 (0.34)	8.48 (1.12)	45.22 (2.00)
	1992	1393	0.81 (0.32)	11.89 (1.56)	52.08 (2.38)
	1996	1367	0.89 (0.37)	12.06 (1.58)	56.01 (1.79)
Black	1990	990	0.08 (*)	1.17 (0.36)	13.39 (1.46)
	1992	1019	0.03 (*)	1.23 (0.45)	16.96 (1.89)
	1996	1071	0.01 (*)	1.51 (0.53)	16.79 (1.98)
Hispanic	1990	138	0.00 (*)	1.68 (*)	14.27 (3.72)
	1992	111	0.00 (*)	0.73 (*)	18.63 (3.70)
	1996	103	0.00 (*)	1.89 (*)	23.94 (4.58)
Maine total	1992	2464	3.1 (0.6)	25.5 (1.5)	71.6 (1.3)
	1996	2258	5.5 (0.7)	31.2 (1.7)	77.40 (1.5) <sup>†</sup>
White	1992	2317	3.16 (0.54)	26.38 (1.54)	73.02 (1.23)
	1996	2138	5.79 (0.77)	32.09 (1.72)	78.36 (1.61)
American Indian	1992	62	1.33 (*)	8.61 (4.59)	49.14 (7.43)
Maryland total	1990	2794	2.6 (0.5)	16.6 (1.2)	49.7 (1.6)
	1992	2399	3.2 (0.5)	19.9 (1.2)	53.9 (1.4)
	1996	2137	5.4 (1.0) <sup>‡</sup>	24.4 (2.3) <sup>‡</sup>	57.4 (2.2)
White	1990	1707	3.75 (0.75)	22.38 (1.39)	63.94 (1.76)
	1992	1440	4.83 (0.89)	29.05 (1.76)	69.61 (1.69)
	1996	1167	7.10 (1.20)	34.47 (2.81)	75.47 (1.92)
Black	1990	742	0.16 (*)	3.49 (0.83)	22.90 (2.51)
	1992	699	0.03 (*)	2.86 (0.93)	24.92 (2.14)
	1996	728	0.26 (*)	3.86 (0.99)	26.43 (2.20)
Hispanic	1990	197	0.61 (*)	6.61 (1.71)	25.57 (3.20)
	1992	153	0.61 (*)	4.45 (1.90)	28.62 (3.79)
	1996	113	2.34 (*)	13.95 (3.69)	35.85 (5.20)
Asian/Pacific Islander	1990	106	7.35 (2.81)	46.90 (6.51)	80.40 (4.25)
	1992	80	7.38 (2.88)	40.89 (6.29)	77.27 (4.98)
	1996	101	25.15 (6.48)	62.17 (5.87)	86.34 (5.18)
Massachusetts total	1992	2456	2.8 (0.5)	23.3 (1.3)	62.8 (1.5)
	1996	2280	4.7 (0.8)	27.6 (1.8)	68.3 (2.3)
White	1992	2085	2.97 (0.58)	26.15 (1.37)	68.92 (1.75)
	1996	1833	5.53 (0.94)	31.54 (2.06)	75.16 (1.97)
Black	1992	120	0.33 (*)	6.18 (2.20)	28.75 (4.53)
Lii.	1996	150	0.65 (*)	8.35 (3.27)	35.10 (5.43)
Hispanic	1992 1996	179	0.00 (*)	4.12 (1.64)	24.57 (4.49)
Asian/Pacific Islander	1996	175 102	0.43 (*)	4.54 (2.22) 29.17 (6.49)	25.91 (5.47)
			3.84 (*)		67.14 (7.08)
Michigan total	1990	2587	2.1 (0.4)	15.8 (1.2)	53.3 (1.7)
	1992	2616	2.2 (0.4)	18.9 (1.5)	57.9 (1.7)
\A/L *i	1996	2155	4.4 (0.8) <sup>±</sup>	28.3 (1.8)**	67.0 (2.1) <sup>‡‡</sup>
White	1990	2029	2.45 (0.46)	19.06 (1.25)	61.82 (1.63)
	1992 1996	1901	2.64 (0.49)	23.99 (1.79)	69.44 (1.77)
Black	1996	1649 318	5.41 (0.91)	34.31 (1.85)	76.86 (1.65)
Black	1990	497	0.00 (*) 0.19 (*)	0.97 (0.65)	12.80 (1.53)
	1992	308	0.15 (*)	1.76 (0.68) 4.60 (2.04)	17.69 (2.68) 29.36 (4.56)
Hispanic	1990	125	0.72 (*)	4.11 (1.87)	29.21 (4.05)
riispunie	1990	125	0.61 (*)	7.69 (3.04)	37.79 (6.48)
	1992	120	1.33 (*)	11.56 (4.57)	37.49 (5.22)
	1770	107	1.00 ( )	11.00 [4.07]	07.47 (0.22)

Population	Year	N	At or Above Advanced	At or Above Proficient	At or Above Basic
Minnesota total	1990	2584	3.3 (0.5)	23.3 (1.2)	67.5 (1.1)
	1992	2471	4.7 (0.6)	31.1 (1.2)‡	74.2 (1.3) <sup>‡</sup>
	1996	2425	6.0 (0.8) <sup>‡</sup>	34.5 (1.8) <sup>‡</sup>	75.0 (1.5)
White	1990	2305	3.40 (0.50)	24.60 (1.27)	70.54 (1.12)
	1992	2258	5.06 (0.68)	32.95 (1.22)	76.56 (1.28)
	1996	2122	6.42 (0.86)	37.27 (1.88)	79.46 (1.35)
Black	1990	67	0.64 (*)	7.64 (2.77)	21.68 (5.62)
	1996	83	0.00 (*)	5.81 (3.47)	33.17 (7.08)
Hispanic	1990	84	0.00 (*)	5.68 (2.32)	25.62 (5.65)
	1992	86	0.00 (*)	5.93 (2.45)	40.04 (7.02)
	1996	73	4.44 (3.06)	18.77 (6.36)	49.50 (7.74)
Asian/Pacific Islander	1990	77	7.54 (4.19)	19.54 (5.58)	60.85 (5.92)
	1996	100	6.35 (2.52)	27.24 (5.46)	60.13 (6.98)
Mississippi total	1992	2498	0.3 (0.1)	6.4 (0.7)	33.40 (1.6)
	1996	2487	0.4 (0.2)	7.2 (0.8)	35.60 (1.3)
White	1992	1204	0.65 (0.26)	11.95 (1.27)	52.86 (1.99)
	1996	1183	0.69 (0.34)	12.93 (1.60)	56.10 (1.91)
Black	1992	1111	0.00 (*)	0.75 (0.45)	14.43 (1.55)
	1996	1135	0.08 (*)	1.11 (0.31)	16.07 (1.25)
Hispanic	1992	150	0.00 (*)	0.74 (*)	9.63 (3.52)
	1996	127	0.04 (*)	3.00 (1.74)	11.09 (2.93)
Missouri total	1992	2666	2.3 (0.4)	19.5 (1.2)	62.5 (1.6)
	1996	2386	2.2 (0.5)	21.6 (1.4)	63.8 (2.0)
White	1992	2183	2.45 (0.42)	22.25 (1.30)	69.11 (1.49)
	1996	1968	2.60 (0.61)	24.71 (1.59)	70.14 (2.08)
Black	1992	328	0.41 (*)	2.55 (0.98)	25.18 (3.43)
	1996	283	0.00 (*)	3.54 (1.73)	25.50 (4.73)
Hispanic	1992	81	1.41 (*)	9.48 (4.72)	33.66 (6.75)
	1996	76	1.22 (*)	10.01 (4.27)	47.60 (8.22)
Montana total	1990	2486	3.6 (0.5)	26.7 (1.4)	74.5 (1.5)
	1996	1912	5.2 (0.5)*	32.5 (1.5)*	75.2 (1.7)
White	1990	2138	4.00 (0.52)	29.28 (1.47)	78.51 (1.60)
	1996	1611	5.88 (0.69)	35.84 (1.50)	79.14 (1.53)
Hispanic	1990	81	0.50 (*)	9.83 (5.20)	52.58 (6.21)
	1996	88	1.03 (*)	11.61 (4.06)	51.73 (6.52)
American Indian	1990	230	0.40 (*)	6.99 (2.48)	42.11 (6.01)
	1996	182	0.97 (*)	14.22 (2.56)	55.18 (5.35)
Nebraska total	1990	2519	3.3 (0.5)	24.4 (1.2)	68.2 (1.3)
	1992	2285	2.9 (0.5)	26.3 (1.6)	70.2 (1.3)
	1996	2610	5.2 (0.7) <sup>‡</sup>	30.8 (1.50) <sup>‡</sup>	75.9 (1.1)**
White	1990	2251	3.57 (0.61)	26.99 (1.35)	72.60 (1.48)
	1992	1966	3.33 (0.57)	29.18 (1.71)	75.77 (1.24)
	1996	2267	5.84 (0.79)	33.80 (1.55)	80.35 (1.05)
Black	1990	86	0.00 (*)	2.19 (*)	19.25 (4.14)
	1992	127	0.16 (*)	1.92 (1.29)	18.64 (5.98)
	1996	131	0.48 (*)	7.48 (3.27)	40.28 (4.53)
Hispanic	1990	120	0.00 (*)	3.86 (2.69)	41.32 (6.64)
	1992	126	0.40 (*)	9.72 (2.79)	40.54 (5.20)
	1996	139	0.25 (*)	7.50 (2.77)	43.73 (5.60)
New Hampshire					
White	1990	2405	2.85 (0.50)	20.74 (1.19)	65.65 (1.55)
	1992	2314	2.83 (0.49)	25.39 (1.41)	72.56 (1.25)
Hispanic	1990	69	0.00 (*)	8.79 (4.38)	35.95 (7.85)
	1992	73	0.52 (*)	11.06 (4.97)	48.67 (7.18)

Population	Year	N	At or Above Advanced	At or Above Proficient	At or Above Basic
New Jersey					
White	1990	1789	4.14 (0.62)	26.34 (1.54)	70.37 (1.57)
	1992	1302	3.83 (0.60)	30.90 (1.84)	77.09 (1.63)
Black	1990	398	0.25 (*)	4.26 (1.48)	24.00 (3.61)
	1992	385	0.15 (*)	3.72 (1.12)	26.13 (3.60)
Hispanic	1990	363	1.05 (*)	5.48 (1.43)	27.72 (2.75)
	1992	332	0.67 (*)	5.75 (1.33)	34.89 (4.58)
Asian/Pacific Islander	1990	131	11.16 (3.65)	51.85 (6.30)	83.59 (4.36)
	1992	134	11.25 (2.68)	51.38 (5.64)	86.12 (2.96)
New Mexico total	1990	2643	1.0 (0.3)	10.2 (0.9)	43.2 (1.2)
	1992	2561	0.9 (0.3)	10.9 (0.8)	47.6 (1.3)
	1996	2371	1.6 (0.3)	14.3 (1.1) <sup>‡</sup>	50.5 (1.6) <sup>‡</sup>
White	1990	989	1.99 (0.67)	19.50 (2.05)	63.65 (2.13)
	1992	1095	1.83 (0.59)	19.06 (1.52)	65.74 (1.88)
	1996	851	3.90 (0.68)	27.95 (1.76)	72.01 (2.02)
Hispanic	1990	1177	0.28 (0.18)	3.78 (0.79)	30.58 (1.66)
	1992	1267	0.19 (0.12)	4.77 (0.65)	33.34 (1.83)
	1996	1195	0.35 (0.19)	6.41 (1.19)	37.88 (1.92)
American Indian	1990	386	0.11 (*)	2.23 (1.00)	21.83 (2.38)
, monean maran	1992	104	0.00 (*)	0.98 (*)	32.67 (5.37)
	1996	232	0.32 (*)	6.00 (1.62)	36.56 (3.84)
Name Yarda tatad				. ,	
New York total	1990	2302	2.7 (0.4)	15.3 (0.9)	49.9 (1.7)
	1992	2158	3.2 (0.5)	20.0 (1.3) <sup>±</sup>	57.5 (2.2) <sup>‡</sup>
	1996	1962	3.1 (0.5)	22.0 (1.5) <sup>‡</sup>	61.2 (2.0) <sup>‡</sup>
White	1990	1518	3.61 (0.55)	20.80 (1.34)	64.98 (1.58)
	1992	1464	4.13 (0.51)	26.90 (1.66)	72.56 (1.22)
Black	1996	1118	4.26 (0.67)	30.73 (1.81)	77.27 (1.78)
BIGCK	1990 1992	337	0.19 (*) 0.38 (*)	3.66 (1.07)	20.41 (3.88)
	1992	300 353		3.59 (1.45)	20.43 (4.42)
Him and a			0.36 (*)	4.32 (1.75)	32.00 (3.97)
Hispanic	1990	316	0.56 (0.33)	4.76 (1.45)	24.47 (3.46)
	1992	258	0.60 (*)	6.57 (1.73)	32.40 (4.36)
Asimo (Dessifia Islandas	1996 1990	336	0.41 (*)	5.53 (1.36)	29.68 (3.65)
Asian/Pacific Islander	1990	88	9.63 (3.38)	31.95 (6.18)	68.45 (6.98)
		83	10.73 (4.41)	33.28 (7.79)	68.65 (8.77)
	1996	109	8.38 (2.87)	34.89 (6.28)	75.26 (5.20)
North Carolina total	1990	2843	0.6 (0.3)	8.7 (0.7)	37.9 (1.4)
	1992	2769	1.2 (0.3)	12.1 (1.0) <sup>‡</sup>	47.0 (1.4) <sup>‡</sup>
	1996	2638	3.0 (0.6)‡	20.0 (1.3)**	56.1 (1.8)**
White	1990	1772	0.93 (0.47)	12.56 (0.99)	50.14 (1.97)
	1992	1889	1.59 (0.38)	15.98 (1.20)	57.22 (1.52)
	1996	1713	4.25 (0.86)	27.50 (1.61)	68.63 (1.82)
Black	1990	838	0.14 (*)	2.03 (0.74)	17.88 (1.50)
	1992	737	0.18 (*)	3.07 (0.78)	23.51 (2.02)
	1996	730	0.08 (*)	4.60 (0.97)	30.77 (2.49)
Hispanic	1990	130	0.15 (*)	1.45 (1.00)	10.30 (3.30)
	1992	76	0.25 (*)	5.09 (*)	23.25 (6.23)
	1996	94	1.49 (*)	7.15 (2.84)	41.03 (5.57)
American Indian	1990	79	0.22 (*)	2.09 (*)	17.66 (4.94)

Population	Year	N	At or Above Advanced	At or Above Proficient	At or Above Basic
North Dakota total	1990	2485	3.6 (0.6)	27.3 (1.8)	75.4 (1.6)
	1992	2314	3.1 (0.5)	29.5 (1.6)	77.9 (1.4)
	1996	2602	4.4 (0.7)	33.3 (1.5)‡	77.4 (1.2)
White	1990	2234	3.84 (0.66)	29.20 (1.75)	79.30 (1.43)
	1992	2154	3.09 (0.55)	30.67 (1.68)	79.67 (1.36)
	1996	2401	4.75 (0.80)	35.03 (1.54)	79.73 (1.06)
Hispanic	1990	70	1.60 (*)	7.17 (4.48)	36.91 (8.05)
	1996	69	0.64 (*)	13.27 (4.88)	55.36 (8.54)
American Indian	1990	146	0.00 (*)	2.37 (*)	25.86 (4.73)
	1992	65	0.00 (*)	4.82 (2.96)	47.56 (11.58)
	1996	91	0.23 (*)	6.59 (3.61)	36.46 (7.03)
Ohio					
White	1990	2234	1.88 (0.36)	16.61 (1.17)	58.59 (1.56)
, , , , , , , , , , , , , , , , , , ,	1992	2010	2.29 (0.48)	21.46 (1.49)	66.54 (2.05)
Black	1990	281	0.16 (*)	1.57 (1.05)	16.64 (2.63)
Didek	1992	360	0.00 (*)	2.66 (0.76)	20.42 (2.67)
Hispanic	1990	84	0.00 (*)	2.93 (*)	20.60 (6.59)
rispanie	1992	96	0.00 (*)	5.17 (2.80)	32.59 (4.60)
	1772	,,,	0.00 ( )	0.17 (2.00)	02.07 (4.00)
Oklahoma	1000	1/57	1 ( ) ( ) ( )	1 ( 10 (1 (0)	50 10 (1 00)
White	1990	1657	1.63 (0.45)	16.13 (1.40)	58.12 (1.99)
	1992	1587	1.26 (0.41)	19.06 (1.21)	65.51 (1.49)
Black	1990	213	0.00 (*)	0.49 (*)	19.94 (2.84)
110	1992	169	0.00 (*)	1.65 (0.93)	22.14 (4.31)
Hispanic	1990	111	0.15 (*)	4.47 (2.22)	33.88 (5.57)
A · · · · · · · ·	1992	132	0.13 (*)	9.36 (2.92)	40.96 (5.09)
American Indian	1990	204	0.33 (*)	5.77 (2.07)	43.83 (3.68)
	1992	216	1.23 (*)	12.44 (3.25)	50.32 (5.06)
Oregon total	1990	2708	3.0 (0.5)	20.7 (1.1)	61.6 (1.4)
	1996	2323	4.4 (0.7)	26.3 (1.6)‡	66.9 (1.7) <sup>‡</sup>
White	1990	2295	3.19 (0.53)	22.25 (1.25)	64.69 (1.41)
	1996	1926	4.70 (0.91)	28.59 (1.70)	70.31 (1.59)
Hispanic	1990	187	2.83 (1.32)	10.49 (3.02)	37.64 (4.23)
	1996	170	3.21 (1.54)	13.05 (3.66)	45.97 (5.27)
Asian/Pacific Islander	1990	80	3.94 (2.68)	28.20 (6.16)	69.08 (5.43)
	1996	82	7.00 (3.26)	33.71 (5.47)	77.67 (7.08)
American Indian	1990	101	0.21 (*)	6.25 (2.56)	41.91 (5.18)
	1996	83	0.63 (*)	10.16 (3.72)	46.00 (6.68)
Pennsylvania					
White	1990	2112	2.19 (0.41)	19.61 (1.34)	63.10 (1.55)
	1992	2152	3.16 (0.62)	24.20 (1.52)	68.17 (1.39)
Black	1990	250	0.00 (*)	2.83 (1.30)	21.81 (4.35)
	1992	293	0.11 (*)	4.52 (2.53)	23.63 (3.86)
Hispanic	1990	106	0.00 (*)	3.07 (1.96)	13.58 (3.50)
	1992	89	0.00 (*)	5.56 (3.37)	32.71 (5.45)
Rhode Island total	1990	2675	1.6 (0.3)	14.5 (0.7)	48.8 (1.0)
	1992	2120	1.4 (0.3)	15.7 (1.1)	56.4 (1.2) <sup>‡</sup>
	1996	2055	2.5 (0.4)	20.4 (1.3)**	59.9 (1.6) <sup>‡</sup>
White	1990	2241	1.93 (0.39)	16.88 (0.85)	54.96 (1.20)
	1992	1706	1.76 (0.38)	18.36 (1.30)	62.66 (1.38)
	1996	1662	3.06 (0.55)	24.11 (1.53)	67.28 (1.64)
Black	1990	114	0.00 (*)	1.72 (1.05)	14.37 (3.49)
	1992	129	0.00 (*)	2.35 (*)	28.23 (4.33)
	1996	100	0.18 (*)	6.79 (3.57)	30.70 (5.03)
Hispanic	1990	207	0.00 (*)	1.57 (0.70)	15.05 (3.24)
	1992	183	0.06 (*)	2.06 (0.94)	17.90 (4.15)
	1996	191	0.53 (*)	3.81 (1.41)	27.25 (5.77)
Asian/Pacific Islander	1992	64	0.65 (*)	13.90 (3.30)	59.27 (5.38)
	1996	67	1.42 (*)	17.59 (5.53)	56.19 (7.31)

Population	Year	N	At or Above Advanced	At or Above Proficient	At or Above Basic
South Carolina total	1992	2625	1.7 (0.5)	14.9 (1.0)	47.8 (1.3)
	1996	2143	1.9 (0.4)	13.7 (1.2)	48.2 (1.7)
White	1992	1505	2.80 (0.75)	23.10 (1.60)	64.24 (1.47)
	1996	1142	3.12 (0.59)	21.97 (2.06)	64.85 (2.31)
Black	1992	921	0.00 (*)	2.60 (0.59)	24.54 (1.38)
	1996	853	0.21 (*)	3.45 (0.62)	28.44 (1.88)
Hispanic	1992	146	0.00 (*)	1.73 (*)	15.21 (2.92)
	1996	87	0.18 (*)	4.17 (2.91)	25.79 (5.57)
Tennessee total	1992	2485	1.0 (0.4)	11.6 (1.0)	46.8 (1.9)
	1996	2300	1.8 (0.3)	15.1 (1.3)	53.0 (1.8)
White	1992	1869	1.33 (0.51)	14.57 (1.22)	55.95 (1.70)
	1996	1784	2.18 (0.39)	18.15 (1.51)	61.65 (2.15)
Black	1992	513	0.00 (*)	2.05 (0.77)	16.72 (2.70)
	1996	419	0.04 (*)	3.32 (1.22)	19.16 (2.91)
Hispanic	1992 1996	66 63	0.00 (*) 0.27 (*)	1.65 (*) 5.83 (2.68)	18.18 (5.39)
					31.72 (8.03)
Texas total	1990 1992	2542 2614	1.6 (0.3)	12.7 (1.1)	45.5 (1.6)
	1992	2014	3.2 (0.6) 2.7 (0.4)	18.1 (1.2)‡ 20.9 (1.5)‡	52.7 (1.5) <sup>‡</sup> 59.4 (1.8) <sup>†‡</sup>
White	1990	1175	2.88 (0.56)	20.91 (1.81)	63.68 (1.98)
**IIIIC	1992	1262	4.63 (0.90)	27.50 (1.83)	71.40 (1.99)
	1996	1078	4.10 (0.73)	33.03 (1.76)	78.34 (1.70)
Black	1990	358	0.17 (*)	1.85 (1.10)	17.82 (2.26)
	1992	299	0.05 (*)	4.81 (1.36)	28.15 (2.97)
	1996	275	0.53 (0.23)	4.71 (1.73)	31.39 (4.27)
Hispanic	1990	926	0.24 (*)	4.38 (0.99)	29.48 (1.92)
	1992	947	0.45 (*)	6.79 (1.03)	33.43 (1.65)
	1996	808	0.72 (0.37)	7.69 (1.39)	41.61 (2.61)
Asian/Pacific Islander	1992	80	22.22 (7.25)	57.33 (6.95)	84.89 (4.56)
	1996	64	14.29 (5.66)	56.77 (9.97)	85.99 (5.52)
Utah total	1992	2726	2.3 (0.4)	22.3 (1.0)	66.8 (1.2)
	1996	2697	2.5 (0.4)	24.4 (1.3)	69.7 (1.5)
White	1992	2431	2.39 (0.43)	23.84 (1.19)	69.51 (1.24)
	1996	2363	2.80 (0.42)	26.62 (1.27)	72.88 (1.28)
Hispanic	1992	186	0.73 (*)	6.14 (2.57)	40.40 (4.60)
Asian (Dasifia Islandar	1996 1996	205	0.33 (*)	5.91 (1.80)	44.83 (4.44)
Asian/Pacific Islander		66	2.43 (*)	23.91 (7.49)	62.17 (7.12)
Vermont total	1996	2001	3.8 (0.6)	27.4 (1.4)	71.8 (1.7)
White	1996	1875	4.04 (0.64)	28.76 (1.38)	73.93 (1.60)
Virgin Islands		100/	A ///		
Black	1990	1026	0.11 (*)	0.82 (0.40)	8.35 (1.14)
Lline and a	1992 1990	1139	0.02 (*)	0.71 (0.37)	10.96 (1.20) 3.97 (1.03)
Hispanic	1990	265 310	0.00 (*) 0.00 (*)	0.15 (*) 0.00 (*)	3.58 (1.54)
Virginia total	1990	2661			
virginia total	1990	2710	3.7 (0.8) 2.7 (0.6)	17.3 (1.6) 19.2 (1.1)	51.6 (1.7) 56.7 (1.7)
	1996	2545	3.0 (0.4)	21.1 (1.2)	58.5 (2.0) <sup>‡</sup>
White	1990	1819	4.28 (0.87)	21.23 (1.94)	60.32 (1.90)
	1992	1877	3.49 (0.79)	23.70 (1.25)	65.69 (1.60)
	1996	1698	3.95 (0.56)	27.65 (1.40)	70.72 (1.81)
Black	1990	596	0.50 (0.32)	3.94 (0.99)	26.29 (2.41)
	1992	586	0.39 (*)	4.39 (1.12)	28.69 (3.02)
	1996	604	0.07 (*)	3.57 (0.80)	25.84 (3.27)
Hispanic	1990	125	0.53 (*)	9.20 (3.52)	31.30 (4.54)
	1992	125	0.45 (*)	11.24 (3.99)	44.33 (4.40)
	1996	118	1.59 (*)	8.72 (3.40)	43.75 (7.30)
Asian/Pacific Islander	1990	94	16.12 (4.26)	41.01 (5.45)	83.05 (4.52)
	1992 1996	106 99	4.07 (2.21)	32.14 (5.43) 37.65 (6.79)	70.59 (5.27) 74.19 (5.48)
	1770	77	7.03 (2.59)	57.03 [0.74]	/4.17 [J.40]

Population	Year	N	At or Above Advanced	At or Above Proficient	At or Above Basic
Washington total	1996	2434	4.0 (0.7)	26.2 (1.2)	66.9 (1.6)
White	1996	1866	4.74 (0.84)	30.15 (1.44)	74.10 (1.50)
Black	1996	102	0.16 (*)	4.78 (2.69)	27.37 (5.41)
Hispanic	1996	214	0.41 (0.29)	10.32 (2.85)	36.03 (4.50)
Asian/Pacific Islander	1996	145	4.96 (2.44)	28.77 (4.81)	66.45 (6.03)
American Indian	1996	98	0.20 (*)	6.81 (2.60)	44.65 (6.46)
West Virginia total	1990	2600	0.9 (0.2)	9.3 (0.8)	41.8 (1.1)
	1992	2690	0.6 (0.2)	9.8 (0.8)	46.8 (1.6)
	1996	2578	1.2 (0.4)	13.8 (0.9)**	53.8 (1.6)**
White	1990	2333	0.98 (0.25)	9.68 (0.82)	43.68 (1.08)
	1992	2443	0.64 (0.23)	10.24 (0.83)	48.67 (1.58)
	1996	2371	1.30 (0.42)	14.56 (0.92)	55.57 (1.65)
Black	1990	85	0.00 (*)	2.50 (*)	17.50 (6.05)
	1992	117	0.00 (*)	3.48 (1.79)	25.95 (5.88)
	1996	84	0.00 (*)	1.83 (*)	29.25 (6.29)
Hispanic	1990	107	0.00 (*)	3.31 (*)	18.72 (4.29)
	1992	69	0.00 (*)	1.53 (*)	15.11 (5.43)
	1996	65	0.00 (*)	7.22 (4.20)	29.92 (6.62)
Wisconsin total	1990	2750	3.1 (0.4)	23.2 (1.4)	65.7 (1.6)
	1992	2814	3.2 (0.6)	27.0 (1.4)	70.8 (2.1)
	1996	2165	5.2 (0.8) <sup>‡</sup>	31.8 (2.0) <sup>‡</sup>	75.0 (2.0) <sup>‡</sup>
White	1990	2358	3.50 (0.45)	25.92 (1.53)	72.01 (1.62)
	1992	2422	3.67 (0.71)	29.97 (1.43)	76.00 (1.62)
	1996	1793	6.07 (0.86)	36.25 (1.97)	81.61 (1.66)
Black Hispanic	1990	197	0.00 (*)	3.25 (1.76)	19.82 (5.10)
	1992	179	0.30 (0.18)	8.05 (5.55)	31.75 (9.37)
	1992	173	0.00 (*)	1.61 (*)	19.15 (4.56)
	1990	173			
American Indian	1990	117	0.34 (*)	6.06 (2.64)	33.75 (5.64)
	1992	112	0.00 (*)	5.56 (2.09)	37.36 (7.66)
	1990	72	0.00 (*)	9.77 (2.94)	44.53 (6.10)
			0.00 (*)	8.69 (3.42)	53.10 (12.80)
Wyoming total	1990	2701	1.7 (0.2)	18.5 (0.9)	63.7 (1.3)
	1992	2444	1.9 (0.4)	21.0 (1.1)	67.2 (1.3)
5 4 4 L -	1996	2696	2.5 (0.6)	21.6 (1.0)*	68.3 (1.2) <sup>‡</sup>
White	1990	2313	1.88 (0.30)	20.40 (1.05)	67.25 (1.42)
	1992	2117	2.14 (0.44)	23.11 (1.12)	71.32 (1.23)
	1996	2335	2.74 (0.64)	23.78 (0.99)	72.10 (1.21)
Hispanic	1990	235	0.16 (*)	7.29 (2.84)	39.42 (3.94)
	1992	207	0.34 (*)	8.99 (2.49)	45.01 (4.48)
	1996	233	0.21 (*)	7.52 (1.62)	45.16 (4.96)
American Indian	1990	106	0.00 (*)	5.10 (2.37)	44.54 (6.69)
	1992	89	0.00 (*)	0.95 (*)	31.97 (4.39)
	1996	93	0.00 (*)	3.97 (2.54)	35.06 (7.32)

(\*)Standard error estimates cannot be precisely determined. Significantly different from 1992 Significantly different from 1990

<sup>a</sup>DoDEA/DDESS: Department of Defense Educational Activity/Department of Defense Domestic Dependent Elementary and Secondary Schools <sup>b</sup>DoDEA/DoDDS: Department of Defense Educational Activity/Department of Defense Dependent Schools (Overseas)

