

On the road shown above, the distance from Bay City to Exton is 60 miles. What is the distance from Bay City to Yardville?

- A) 45 miles
- B) 75 miles
- C) 90 miles
- D) 105 miles

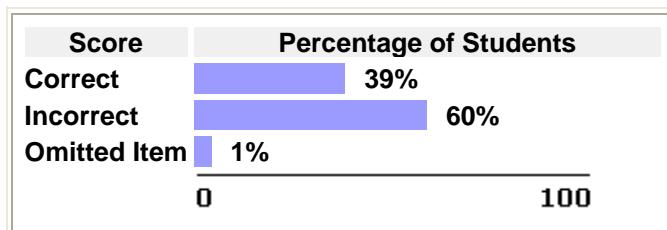
Key

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2003 National Performance Results



Note:

- These results are for public and nonpublic school students.
- Percentages may not add to 100 due to rounding.

Mathematical Content Area: Number sense, properties, and operations
Mathematical Ability: Problem solving

Mathematical Content Area

Number sense, properties, and operations

This question measures number sense, properties, and operations. This content area focuses on students' understanding of numbers (whole numbers, fractions, decimals, integers, real numbers, and complex numbers), operations, estimation, and applications to real-world situations. Students are expected to demonstrate an understanding of numerical relationships as expressed in ratios, proportions, and percents. Students are also expected to understand properties of numbers and operations, generalize from numerical patterns, and verify results. Number sense includes questions that address a student's understanding of relative size, equivalent forms of numbers, and use of numbers to represent attributes of real-world objects and quantities.

Mathematical Ability

Problem solving

This question measures students' problem solving ability. Students demonstrate problem solving in mathematics when they recognize and formulate problems; determine the consistency of data; use strategies, data, models; generate, extend, and modify procedures; use reasoning in new settings; and judge the reasonableness and correctness of solutions. Problem solving situations require students to connect all of their mathematical knowledge of concepts, procedures, reasoning, and communication skills to solve problems.

Description	Grade	Type	Difficulty
1 Use proportional reasoning to find the distance between two towns along a line	8th	Multiple Choice	Hard