

Which piece of information is NOT needed to solve the problem below? **You do not have to solve the problem.**

Carlos is planning to buy food for his 2 dogs. The food he buys must last for 4 weeks. Each dog eats 1 can of dog food and 3 dog biscuits every day. How many cans of dog food does Carlos need to buy?

- A) Carlos has 2 dogs.
- B) The food must last 4 weeks.
- C) Each dog eats 1 can of dog food every day.
- D) Each dog eats 3 biscuits every day.

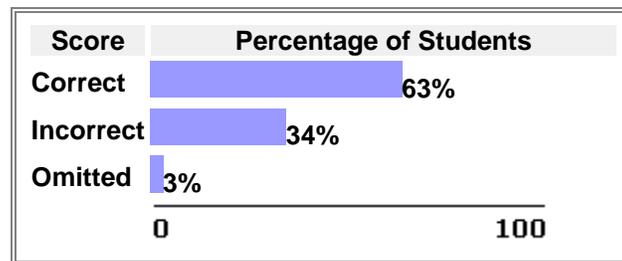
Key

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2005 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 properties and operations* (Sub content classification:)
Mathematical Complexity: *Moderate Complexity*

Mathematical Content Area

Number properties and operations

This content area focuses on students' abilities to represent numbers, order numbers, compute with numbers, make estimates appropriate to given situations, use ratios and proportional reasoning, and apply number properties and operations to solve real-world and mathematical problems. This content area also addresses number sense—comfort in dealing with numbers—and addresses students' understanding of what numbers tell us, of equivalent ways to represent numbers, and of the use of numbers to represent attributes of real-world objects and quantities. At grade 4, the focus is on whole numbers and fractions; at grade 8, the focus extends to include rational numbers; and at grade 12, the focus extends to include real numbers.

Mathematical Complexity

Moderate Complexity

Items in the moderate-complexity category involve more flexibility of thinking and choice among alternatives than do those in the low-complexity category. They require a response that goes beyond the habitual, is not specified, and ordinarily has more than a single step. The student is expected to decide what to do, using informal methods of reasoning and problem-solving strategies, and to bring together skill and knowledge from various domains.

Description	Grade	Type	Difficulty
Identify piece of information not needed	8th	Multiple Choice	Easy