

Problem Solving Test Prep

Choose the correct answer.

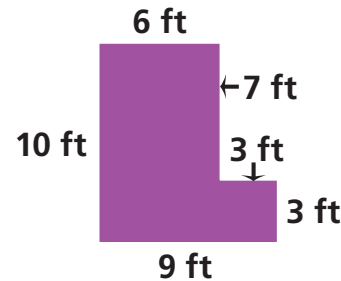
1 Alice had a collection of 33 baseball cards. She gave 5 cards to her sister. Let c represent the number of cards Alice had left. Which number sentence could be used to find the number of cards Alice had in her collection?

- A. $c + 5 = 33$
- B. $c - 5 = 33$
- C. $5 - c = 33$
- D. $5 \times c = 33$

2 A typical slice of cheese pizza contains 248 calories, 11 grams of protein, 24 grams of carbohydrates, and 12 grams of fat. How many calories are in an eight-slice pizza?

- A. 1,984 calories
- B. 1,900 calories
- C. 1,620 calories
- D. 1,500 calories

3 Jenny has 2 rooms to carpet. Each room has the same dimensions as the diagram below. What is the area of the 2 rooms combined?



- A. 38 square feet
- B. 69 square feet
- C. 78 square feet
- D. 138 square feet

4 What rule can you use to find the next number in the number pattern?

1; 10; 100; 1,000; ■

- A. Add 9.
- B. Add 90.
- C. Multiply by 10.
- D. Multiply by 100.

Show What You Know

Solve each problem. Explain your answer.

5 Bret built a brick wall. He began with 1,051 bricks and built the wall that was between 31 and 36 bricks long. There were 31 bricks left over. How many bricks high is the wall Bret built? Explain how you know.

6 Draw what this figure will look like if it is rotated 180° around the point. Explain how you know.