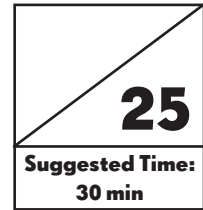




Area and Perimeter

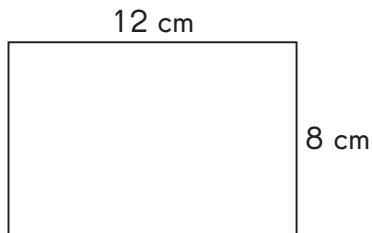


Multiple Choice

(5 × 2 points = 10 points)

Fill in the circle next to the correct answer.

1. Find the area of the rectangle.

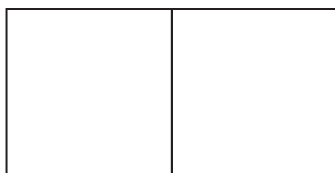


- (A) 20 cm^2 (B) 24 cm^2
(C) 40 cm^2 (D) 96 cm^2

2. Find the length of a rectangle that has a perimeter of 64 feet and a width of 4 feet.

- (A) 14 ft (B) 16 ft
(C) 28 ft (D) 32 ft

3. The figure is made up of two identical squares and has a perimeter of 42 inches. What is the area of one square?

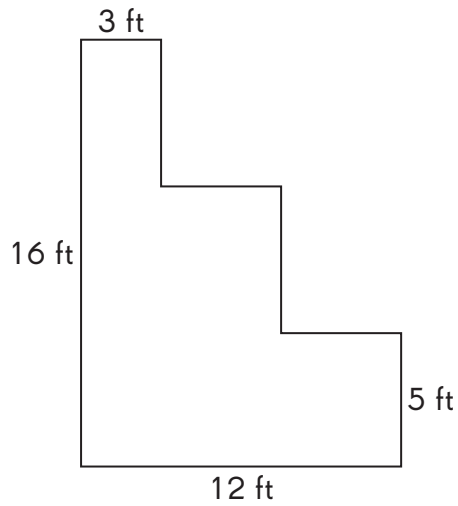


- (A) 7 in.^2 (B) 28 in.^2
(C) 49 in.^2 (D) 84 in.^2

Name: _____

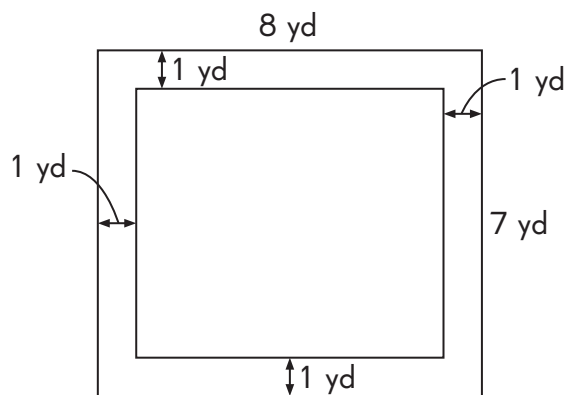
Date: _____

4. Find the perimeter of the figure.



- (A) 28 ft (B) 36 ft
(C) 56 ft (D) 192 ft

5. A carpet is placed on a rectangular floor as shown in the diagram. Find the area of the floor not covered by the carpet.



- (A) 56 yd^2 (B) 30 yd^2
(C) 26 yd^2 (D) 16 yd^2

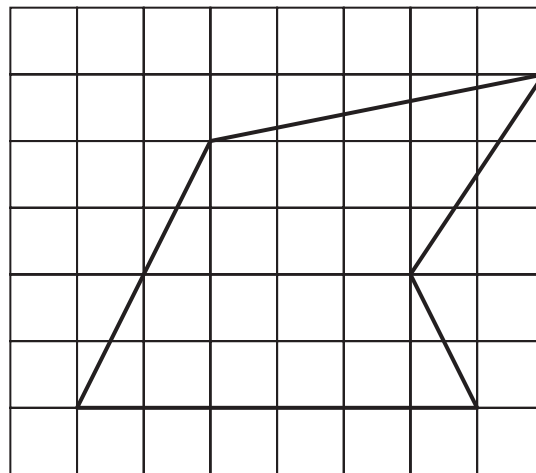
Short Answer

(5 × 2 points = 10 points)

Solve. Show your work.

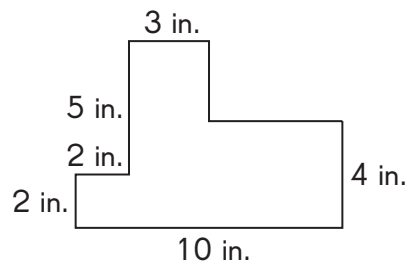
6. The area of a square is 64 square centimeters. Find the perimeter of the square.

7. Estimate the area of the figure.



Area = _____ units²

8. Find the perimeter of the figure.



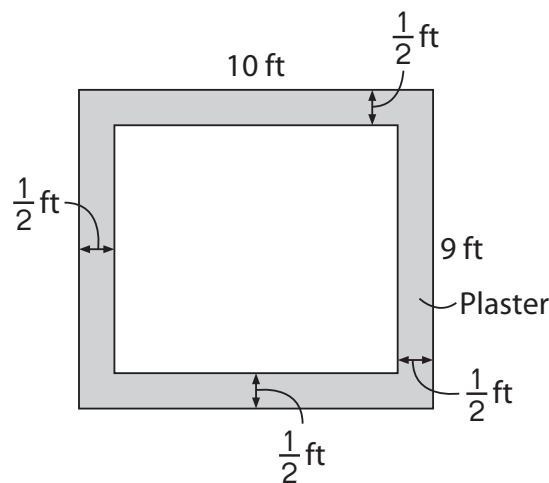
Perimeter = _____ in.

Name: _____

Date: _____

9. The length of a rectangle is twice its width. The area of the rectangle is 18 square centimeters. Find the perimeter of the rectangle.

10. A ceiling has a border made of plaster around its edge. The width of the plaster border is $\frac{1}{2}$ foot. The area not covered by plaster needs to be painted.



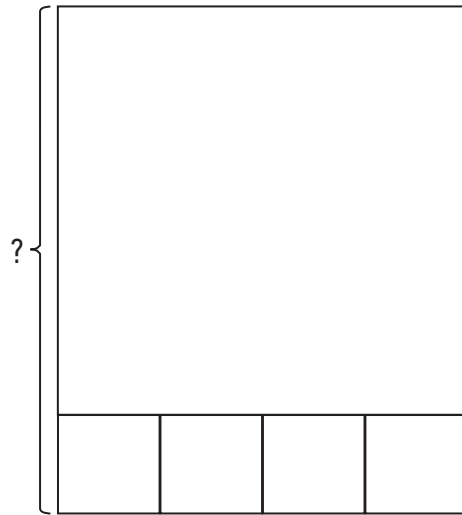
- a. What is the area of the ceiling that needs to be painted?
- b. The cost of painting the ceiling is \$5 per square foot. How much will it cost to paint the area of the ceiling that needs to be painted?

Extended Response

(2 × 2.5 points = 5 points)

Solve. Show your working.

11. The figure is made up of a big square and 4 smaller identical squares. The area of the whole figure is 980 square inches. Find the unknown length.



12. A rectangular piece of paper is folded along the dotted lines as shown. Find the area of the folded figure.

