

Unit 7: Two-Dimensional Shapes and Perimeter

ADVANCED • SET 2

Name: _____ Date: _____

Solve each problem and write your final answer with the correct units where given.

1. A rectangle is 47 cm long and 29 cm wide. What is its perimeter in centimeters?

Answer: _____

3. A rectangle has a perimeter of 96 cm. Its length is 34 cm. What is its width, in centimeters?

Answer: _____

5. A rectangular garden is 26 m long and 19 m wide. Fencing costs \$3 for each meter around the whole garden. What is the total cost in dollars?

Answer: _____

7. A quadrilateral has a perimeter of 150 cm. Three of its sides are 28 cm, 34 cm, and 45 cm. How long is the fourth side, in centimeters?

Answer: _____

9. A rectangle is 56 cm long and 24 cm wide. A square has the same perimeter as this rectangle. How long is each side of the square, in centimeters?

Answer: _____

11. A rhombus has 4 equal sides and a perimeter of 148 cm. How long is each side, in centimeters?

Answer: _____

2. A square has a perimeter of 84 inches. How long is each side, in inches?

Answer: _____

4. A regular hexagon (6 equal sides) has each side 18 cm long. What is its perimeter in centimeters?

Answer: _____

6. A quadrilateral has sides measuring 23 cm, 37 cm, 41 cm, and 19 cm. What is its perimeter in centimeters?

Answer: _____

8. A rectangle's length is twice its width. The width is 17 cm. What is the perimeter of the rectangle, in centimeters?

Answer: _____

10. A regular octagon (8 equal sides) has a perimeter of 152 cm. How long is each side, in centimeters?

Answer: _____

12. A rectangular room is 9 ft long and 7 ft wide. Baseboard is placed all the way around the floor except for a 3 ft doorway that gets none. How many feet of baseboard are used?

Answer: _____