

MY Homework

Lesson 1

Measure Perimeter

Homework Helper



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Claire plans to glue ribbon around the edges of the picture frame. How much ribbon will she need?

One Way Add the measures of all sides of the figure.

You know that opposite sides of a rectangle are equal, so the measures are 5 inches, 5 inches, 8 inches, and 8 inches.

$$P = 5 \text{ inches} + 5 \text{ inches} + 8 \text{ inches} + 8 \text{ inches}$$

$$P = 26 \text{ inches}$$

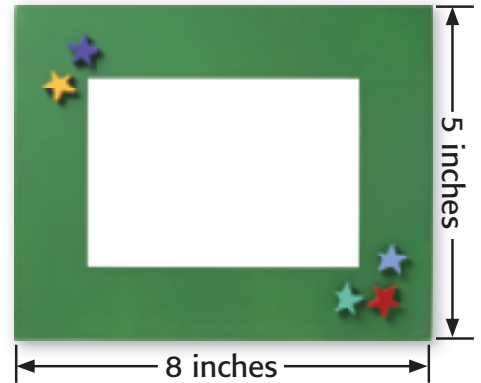
Another Way Use a formula.

$$P = (2 \times 8 \text{ inches}) + (2 \times 5 \text{ inches})$$

$$P = 16 \text{ inches} + 10 \text{ inches}$$

$$P = 26 \text{ inches}$$

So, Claire will need 26 inches of ribbon.



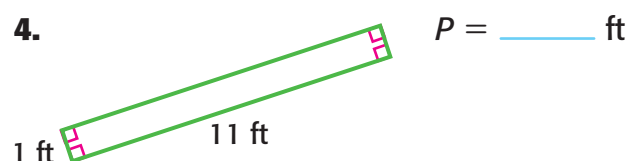
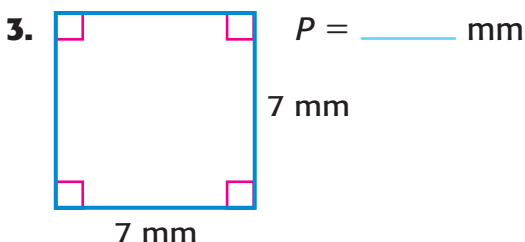
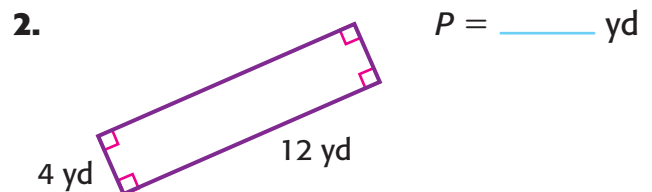
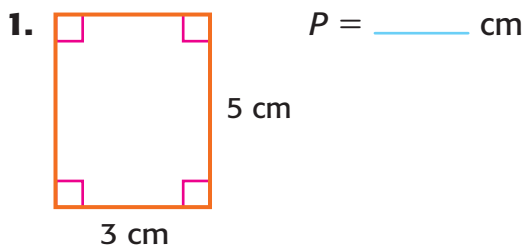
Helpful Hint

The perimeter of a rectangle equals 2 times the length plus 2 times the width.

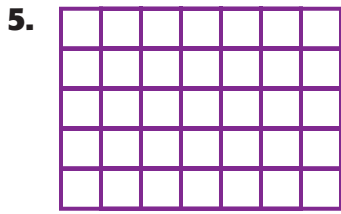
$$P = (2 \times l) + (2 \times w)$$

Practice

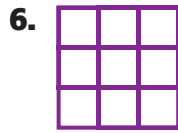
Find each perimeter.



Find the perimeter of each rectangle in units.



$P =$ _____ units



$P =$ _____ units



Problem Solving

7. **Mathematical PRACTICE** **Model Math** Justin walked his dog 2 blocks west, 6 blocks north, 2 blocks east, and 6 blocks south. Then he walked his other dog along the same route. Draw a picture to represent Justin's route. How many blocks did Justin walk in all?

8. A rectangle has a perimeter of 30 inches. One side measures 5 inches. What are the measures of the other three sides?

9. Carolla is putting a border around the edge of a rectangular bulletin board. One side of the bulletin board measures 2 feet and another side measures 4 feet. Is 10 feet of border enough? Explain.

Vocabulary Check



10. Write a definition for the term perimeter. _____

Test Practice

11. What is the measure of the unknown side of the rectangle?

- (A) 23 meters (C) 7 meters
(B) 14 meters (D) 5 meters

