

MAIN IDEA

- Find the perimeters of squares and rectangles.

KEY CONCEPT

Perimeter of a Square
The perimeter P of a square is four times the measure of any of its sides s .

BUILD YOUR VOCABULARY (pages 241–242)

The around any closed figure is called its **perimeter**.

EXAMPLE Perimeter of a Square

1 ARCHITECTURE The base of the Eiffel Tower is shaped like a square with 125-meter sides. What is the perimeter of the base?

$$P = \text{} s \quad \text{Perimeter of a square}$$

$$P = \text{} (125) \quad \text{Replace } s \text{ with } 125.$$

$$P = \text{} \quad \text{Multiply.}$$

The perimeter of the base of the Eiffel Tower is

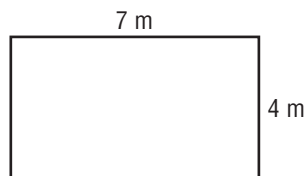
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Check Your Progress

A new discount store is being built with its base in the shape of a square with 75-foot sides. What is the perimeter of the base?

EXAMPLE Perimeter of a Rectangle**KEY CONCEPT****Perimeter of a Rectangle**

The perimeter P of a rectangle is the sum of the lengths and widths. It is also two times the length, plus two times the width w .

1 Find the perimeter of the rectangle.

$$P = 2\ell + 2w$$

Write the formula.

$$P = 2(\boxed{}) + 2(\boxed{})$$

Replace ℓ with $\boxed{}$ and w with $\boxed{}$.

$$P = \boxed{} + \boxed{}$$

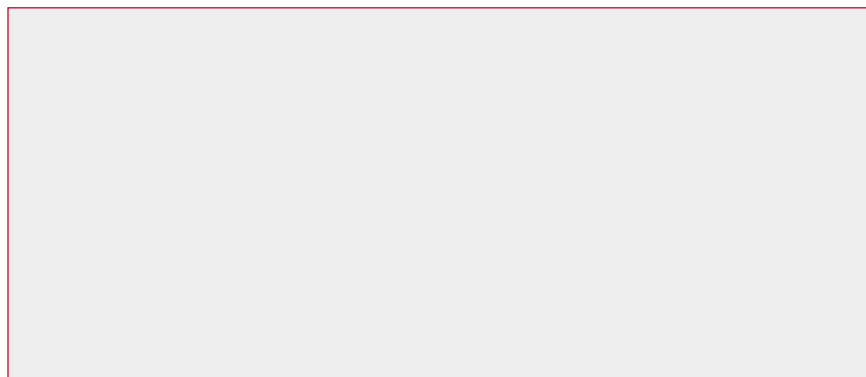
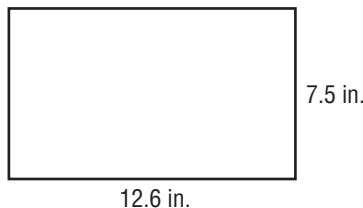
Multiply.

$$P = \boxed{}$$

Add.

The perimeter is $\boxed{}$ meters.**Check Your Progress**

Find the perimeter of the rectangle.

**HOMEWORK ASSIGNMENT**

Page(s):

Exercises: