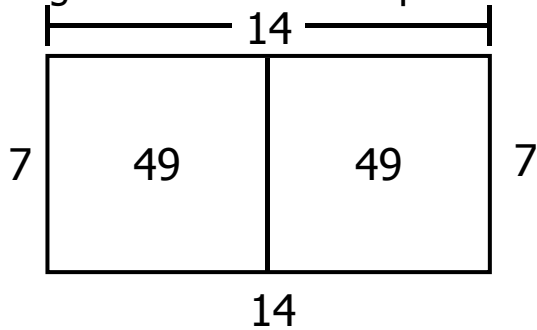


- A. The long side of a rectangle is 2 times the length of the short side. The rectangle's area is 98 sq yd. How long is the short side? How long is the long side? What is the perimeter of the rectangle?



$$a = 98$$

$$p = 42$$

$$a \quad 98 \div 2 = \underline{\mathbf{49}}$$

$$2 \times \underline{\mathbf{49}} = 98$$

$$\underline{\mathbf{7}} \times \underline{\mathbf{7}} = 49$$

$$b \quad 2 \times 7 = \underline{\mathbf{14}}$$

$$c \quad (2 \times 7) + (2 \times 14) = \underline{\mathbf{42}}$$

$$2 \times (7 + 14) = \underline{\mathbf{42}}$$

- a The short side is 7 yd.  
 b The long side is 14 yd.  
 c The rectangle's perimeter is 42 yd.

- B. The short side of the rectangle is  $\frac{1}{3}$  the length of the long side. The rectangle's area is 192 sq yd. How long is the short side? How long is the long side? What is the perimeter of the rectangle?

- a The short side is \_\_\_ yd.  
 b The long side is \_\_\_ yd.  
 c The rectangle's perimeter is \_\_\_ yd.

A. The long side of a rectangle is 4 times the length of the short side. The rectangle's area is 324 sq mi. How long is the short side? How long is the long side? What is the perimeter of the rectangle?

- a The short side is \_\_\_ mi.
- b The long side is \_\_\_ mi.
- c The rectangle's perimeter is \_\_\_ mi.

---

B. The short side of the rectangle is  $\frac{1}{5}$  the length of the long side. The rectangle's area is 500 sq mi. How long is the short side? How long is the long side? What is the perimeter of the rectangle?

- a The short side is \_\_\_ mi.
- b The long side is \_\_\_ mi.
- c The rectangle's perimeter is \_\_\_ mi.

A. The long side of a rectangle is 6 times the length of the short side. The rectangle's area is 726 sq m. How long is the short side? How long is the long side? What is the perimeter of the rectangle?

- a The short side is      m.
- b The long side is      m.
- c The rectangle's perimeter is      m.

---

B. The short side of the rectangle is  $\frac{1}{7}$  the length of the long side. The rectangle's area is 1,008 sq m. How long is the short side? How long is the long side? What is the perimeter of the rectangle?

- a The short side is      m.
- b The long side is      m.
- c The rectangle's perimeter is      m.



Name: \_\_\_\_\_

# GO FIGURE - C

Use the numbers from the bank and the provided clues to correctly label the sides of each rectangle. Each number can be used only once. *Figures are not drawn to scale.*

Number Bank

2 3 4 5 6 7 8 9 10

\_\_\_\_\_ ft

Area is 36 sq ft.

\_\_\_\_\_ ft

\_\_\_\_\_ ft

\_\_\_\_\_ ft

Area is 10 more than perimeter. (quantity)

Short side is 1 ft shorter than than long side.

\_\_\_\_\_ ft

\_\_\_\_\_ ft

Perimeter is 30 ft.

Short side is  $\frac{1}{2}$  as long as long side.

Short side is odd number.

\_\_\_\_\_ ft

\_\_\_\_\_ ft

\_\_\_\_\_ ft

\_\_\_\_\_ ft