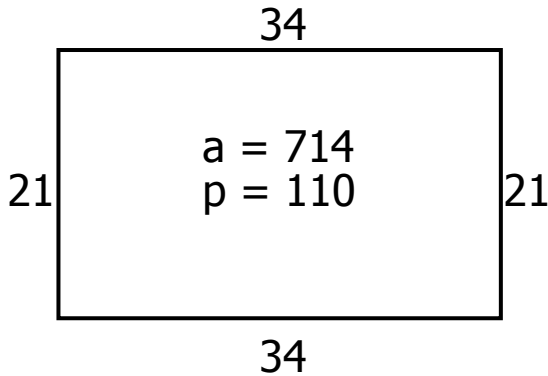


- A. A rectangle's area is 714 sq yd.  
The short side of the rectangle is 21 yd.  
How long is the long side?  
What is the perimeter of the rectangle?



$$\begin{aligned} \text{a } 714 \div 21 &= \underline{\mathbf{34}} \\ 21 \times \underline{\mathbf{34}} &= 714 \end{aligned}$$

$$\begin{aligned} \text{b } (2 \times 21) + (2 \times 34) &= \underline{\mathbf{110}} \\ 2 \times (21 + 34) &= \underline{\mathbf{110}} \end{aligned}$$

- a The long side is 34 yd.  
b The rectangle's perimeter is 110 yd.

- B. A rectangle's area is 828 sq yd.  
The short side of the rectangle is 23 yd.  
How long is the long side?  
What is the perimeter of the rectangle?

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

- A. A rectangle's area is 770 sq mi.  
The long side of the rectangle is 35 mi.  
How long is the short side?  
What is the perimeter of the rectangle?

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

- 
- B. A rectangle's area is 888 sq mi.  
The long side of the rectangle is 37 mi.  
How long is the short side?  
What is the perimeter of the rectangle?

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

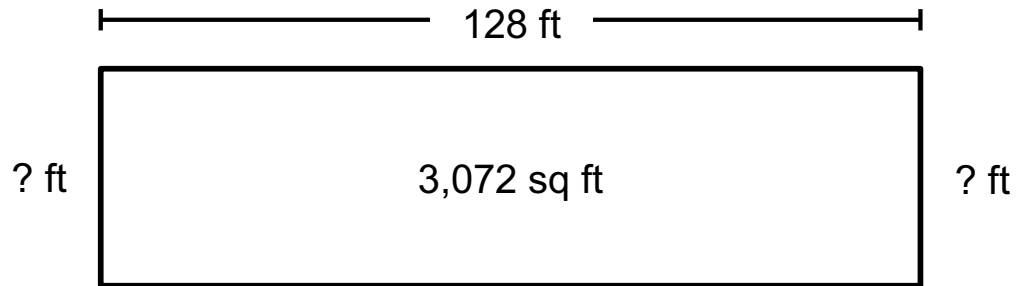
- 
- A. A rectangle's area is 2,296 sq m. The short side of the rectangle is 41 m. How long is the long side? What is the perimeter of the rectangle?
- a The long side is \_\_\_\_\_ m.
- b The rectangle's perimeter is \_\_\_\_\_ m.
- 

- B. A rectangle's area is 2,451 sq m. The long side of the rectangle is 57 m. How long is the short side? What is the perimeter of the rectangle?
- a The short side is \_\_\_\_\_ m.
- b The rectangle's perimeter is \_\_\_\_\_ m.
-

Name:

Problem of the Day Lesson 34

A rectangle, not drawn to scale, is shown below. The area is 3,072 sq ft. The length of the long side is 128 ft. What is the length of the short side?



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

## GO FIGURE

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

Area is 10 more than perimeter. (quantity)

\_\_\_\_\_ ft

Short side is 1 ft shorter than than long side.

\_\_\_\_\_ ft

\_\_\_\_\_ ft

Perimeter is 30 ft.

\_\_\_\_\_ ft

Short side is  $\frac{1}{2}$  the length of long side. Short side length is an odd number.

\_\_\_\_\_ ft

\_\_\_\_\_ ft