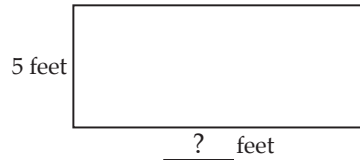


## Test 7—Question 6: Problem Solving

**6** Look at the diagram of a rectangle below.



The perimeter of the rectangle is 34 feet.

What is the missing measurement, in feet, of the rectangle?

$$\begin{aligned}\text{Perimeter of rectangle} &= 2l + 2w \\ &= 2 \times \text{length} + 2 \times \text{width}\end{aligned}$$

*Show All Work*

*Answer* \_\_\_\_\_ feet

### Exemplary Response:

- 12 feet
- AND
- Correct complete process

Sample Process:

- $2(5) = 10$   
 $34 - 10 = 24$   
 $24 \div 2 = 12$

OR

- Other valid process

### Rubric:

- |                 |  |
|-----------------|--|
| <b>2 points</b> | Exemplary response                             |
| <b>1 point</b>  | Correct answer only                            |
|                 | OR   |
|                 | Correct complete process; error in computation |
|                 | OR   |
|                 | Correct process for finding 24                 |
| <b>0 points</b> | Other  |