## Find Unknown Measures

1 The area of a window is 63 square feet. The height

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Interactive Examples of the window is 7 feet. What is the length of the base?

2 The perimeter of a vegetable garden is 48 feet. The width of the garden is 10 feet. What is the length of the garden?
(MP) Use Structure Use the area or perimeter formula to find the unknown measures.

3

$n=$ $\qquad$
5 (MP) Reason A square has an area of 49 square centimeters. What is the length of one side? Explain how you got your answer.
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$\qquad$
6 Math on the Spot A male mountain lion has a rectangular territory with an area of 96 square miles. If his territory is 8 miles wide, what is the length of his territory?
$\qquad$

## Test Prep

7 A rectangular picture frame has an area of 24 square inches. The width of the frame is 6 inches. What is the length of the frame?
(A) 4 inches
(C) 12 inches
(B) 6 inches
(D) 18 inches

8 A square mirror has an area of 100 square centimeters. What is the length of one side of the mirror?
(A) 10 centimeters
(C) 96 centimeters
(B) 25 centimeters
(D) 400 centimeters

9 A rug is a rectangle that has a perimeter of 28 feet. The width of the rug is 4 feet. Which shows how you can use a formula to find the length of the rug?
(A) $28=2+n \times 2+4$
(C) $28=4 \times n$
(B) $28=4+2 \times n$
(D) $28=2 \times n+2 \times 4$

10 A photograph has an area of 48 square inches. The length of the photograph is 6 inches. Which shows how you can use a formula to find the width of the photograph?
(A) $48=2 \times 6+2 \times w$
(C) $48=6 \times w$
(B) $48=4 \times 6 \times w$
(D) $48=2 \times 6 \times w$

## Spiral Review

11 Cole has 96 World Cup player cards. He has 3 player cards for each of the teams that are participating. How many teams are participating?

12 Estimate. Then find the difference. Estimate: $\qquad$ 326,891

- 112,430

