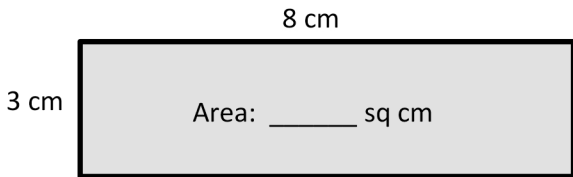Name _____   Date _____

1. Write a multiplication equation to find the area of each rectangle.
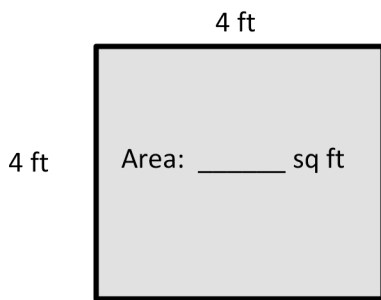
a.

8 cm

3 cm

Area: _____ sq cm

_____ × _____ = _____

b.

8 cm

6 cm

Area: _____ sq cm

_____ × _____ = _____
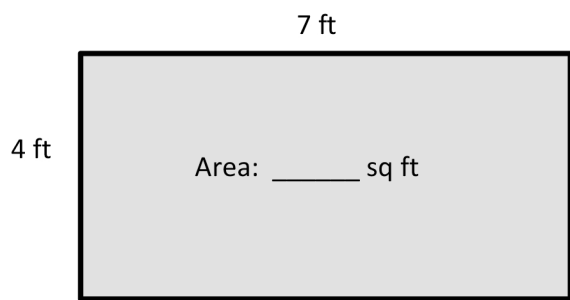
c.

4 ft

4 ft

Area: _____ sq ft
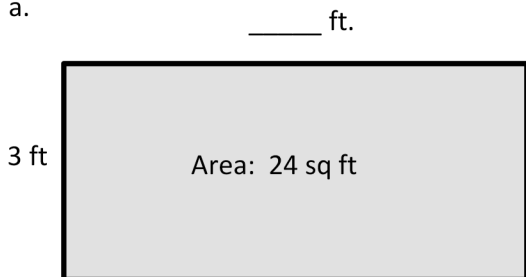
_____ × _____ = _____

d.

7 ft

4 ft

Area: _____ sq ft

_____ × _____ = _____
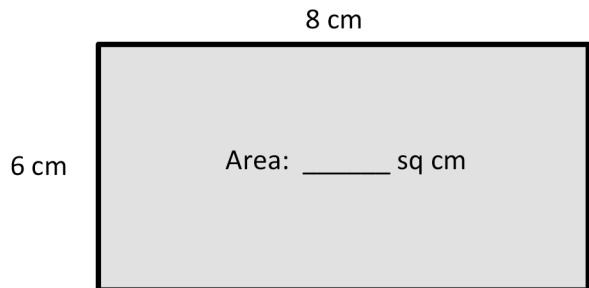
2. Write a multiplication equation and a division equation to find the unknown side length for each rectangle.

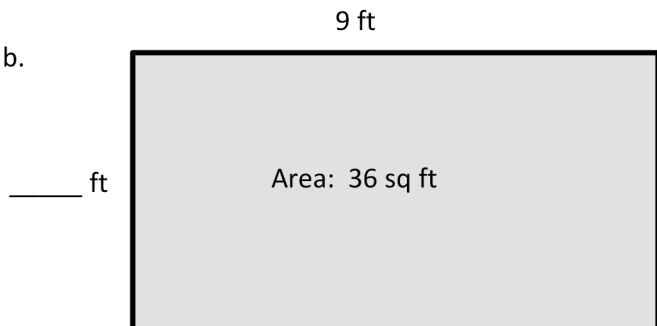a.

_____ ft.

3 ft

Area: 24 sq ft

_____ × _____ = _____
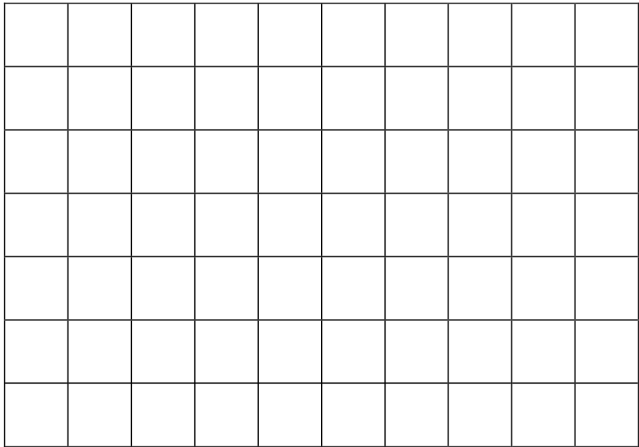
_____ ÷ _____ = _____

b.

9 ft

_____ ft

Area: 36 sq ft

_____ × _____ = _____

_____ ÷ _____ = _____

3. On the grid below, draw a rectangle that has an area of 32 square centimeters. Label the side lengths.

4. Patricia draws a rectangle that has side lengths of 4 centimeters and 9 centimeters. What is the area of the rectangle? Explain how you found your answer.

5. Charles draws a rectangle with a side length of 9 inches and an area of 27 square inches. What is the other side length? How do you know?

Answer Key

1.
   a. 24; 3 × 8 = 24
   b. 48; 6 × 8 = 48
   c. 16; 4 × 4 = 16
   d. 28; 4 × 7 = 28

2.
   a. 8; 3 × 8 = 24; 24 ÷ 3 = 8
   b. 4; 4 × 9 = 36; 36 ÷ 9 = 4

3. Answers will vary.

4. 36 sq cm; explanations will vary.

5. 3 in; explanations will vary.