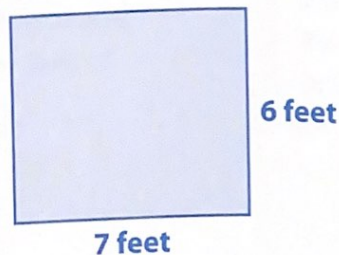


# Practice Multiplying to Find Area

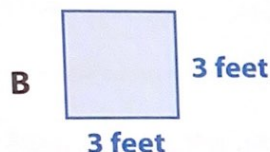
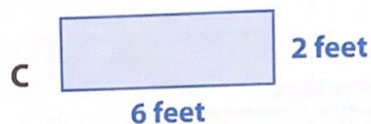
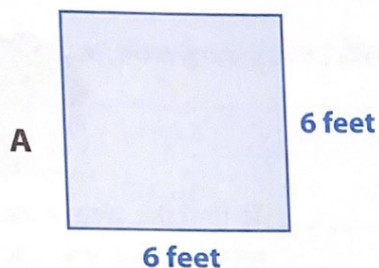
Solve the problems.

- 1 Mr. Frank is putting tile on the bathroom wall. The model shows the length and width of the wall. How many square feet of tile does he need to cover the wall?

- A 49 square feet
- B 42 square feet
- C 26 square feet
- D 13 square feet



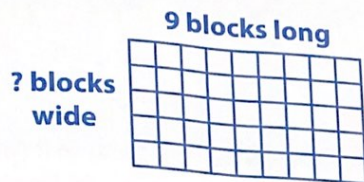
- 2 Which shape below has an area of 12 square feet?



- 3 The area of a driveway is 24 square yards. What could be the length and width of the driveway? Circle the letter for all that apply.

- A Length: 8 yards, Width: 4 yards
- B Length: 4 yards, Width: 6 yards
- C Length: 3 yards, Width: 6 yards
- D Length: 6 yards, Width: 4 yards
- E Length: 8 yards, Width: 3 yards

4 Rita is making a quilt. It is made with 45 square blocks of fabric and is 9 blocks long.



Complete the equation below to show how many blocks wide the quilt is.  
Use numbers from the ones listed below.

4

5

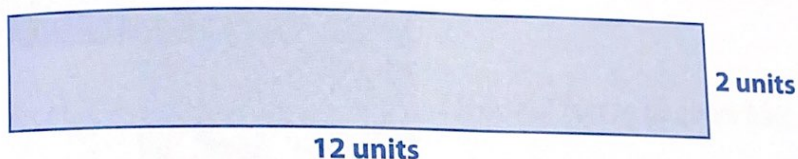
6

9

45

$$\underline{\hspace{2cm}} \times \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$$

5 Kayla draws the rectangle shown below.



**Part A** What is the area of Kayla's rectangle?

Answer \_\_\_\_\_ square units

**Part B** James draws a rectangle that has the same area as Kayla's rectangle, but a different length and width. What is a possible length and width for James' rectangle?

Solution \_\_\_\_\_

\_\_\_\_\_



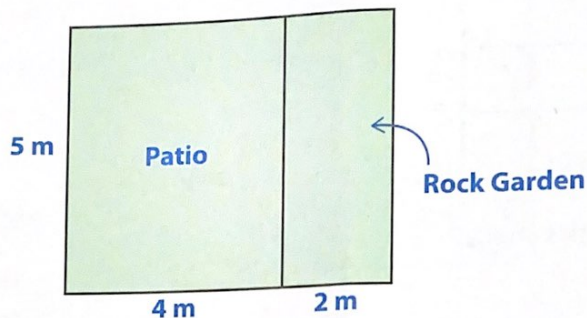
Go back and see what you can check off on the Self Check on page 211.



**Practice** Solving Area Problems

Solve the problems.

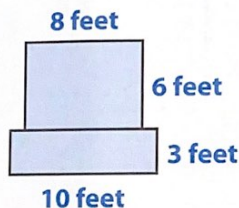
- 1 Mrs. Ambrose drew the model below of her new patio and rock garden.



What is the total area of Mrs. Ambrose's new patio and rock garden?

- A 22 meters                      C 30 meters  
B 22 square meters            D 30 square meters

- 2 At the right are two rectangles that are joined together.



Choose *Yes* or *No* to tell whether joining the rectangle shown to the two rectangles above would make a shape that has an area of 98 square feet.

- a. 8 feet 3 feet

☐ Yes    ☐ No

- b. 10 feet 2 feet

☐ Yes    ☐ No

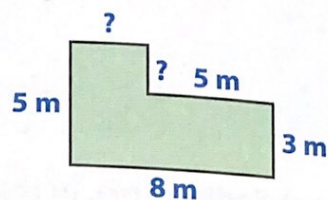
- c. 5 feet 4 feet

☐ Yes    ☐ No

- d. 9 feet 2 feet

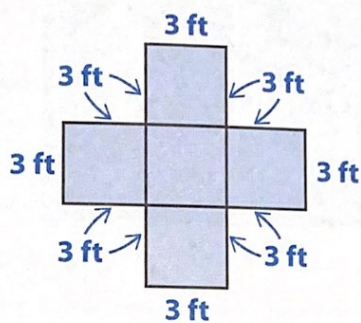
☐ Yes    ☐ No

Find the missing measurements in the shape below. Then break apart the shape into two rectangles to find its area.



**Answer** The area is \_\_\_\_\_ square meters.

Opal drew this model of a picnic table.



What is the total area of the picnic table?

**Show your work.**

**Answer** The total area of the picnic table is \_\_\_\_\_ square feet.



Go back and see what you can check off on the Self Check on page 211.