Lesson 8.5 Calculating Area
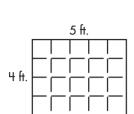
Area is the number of square units needed to cover a surface.

Length: 5 ft.
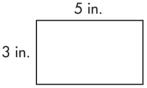Width: 4 ft.

$$\begin{array}{r} 5 \text{ ft.} \\ \times\ 4 \text{ ft.} \\ \hline 20 \text{ square feet} \end{array}$$

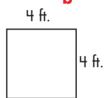To calculate the area of a square or rectangle, multiply the measure of the length by the measure of the width.

The area of a rectangle 5 feet in length and 4 feet in width is <u>20 square feet</u>.
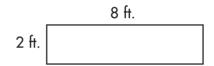

Find the area of each figure.

a   **b**   **c**

1.

5 in.
3 in.

A = ____ sq. in.

4 ft.
4 ft.

A = ____ sq. ft.

8 ft.
2 ft.

A = ____ sq. ft.

2.

7 yd.
2 yd.

A = ____ sq. yd.

7 in.
7 in.

A = ____ sq. in.

2 yd.
3 yd.

A = ____ sq. yd.

3.

8 ft.
8 ft.

A = ____ sq. ft.

9 in.
5 in.

A = ____ sq. in.

3 yd.
10 yd.

A = ____ sq. yd.