

1.31

Area of a Rectangle

• Example 1

A rectangular room has dimensions 12 by 15 feet. Find its area.

Solution Use the formula $A = L \times W$, with $L = 15$ and $W = 12$, where L and W are expressed in ft and A is expressed in ft^2 .

$$\begin{aligned} A &= L \times W \\ &= 15 \times 12 = 180 \end{aligned}$$

The area of the room is 180 ft^2 .

● ● ● CHECK YOURSELF 1

A desktop has dimensions 50 in. by 25 in. What is the area of its surface?

● ● ● CHECK YOURSELF ANSWER

1. 1250 in.^2 .

1.31 Exercises

Name _____

Section _____

Date _____

A N S W E R S

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____

11. _____

12. _____

Find the area of each rectangle.

