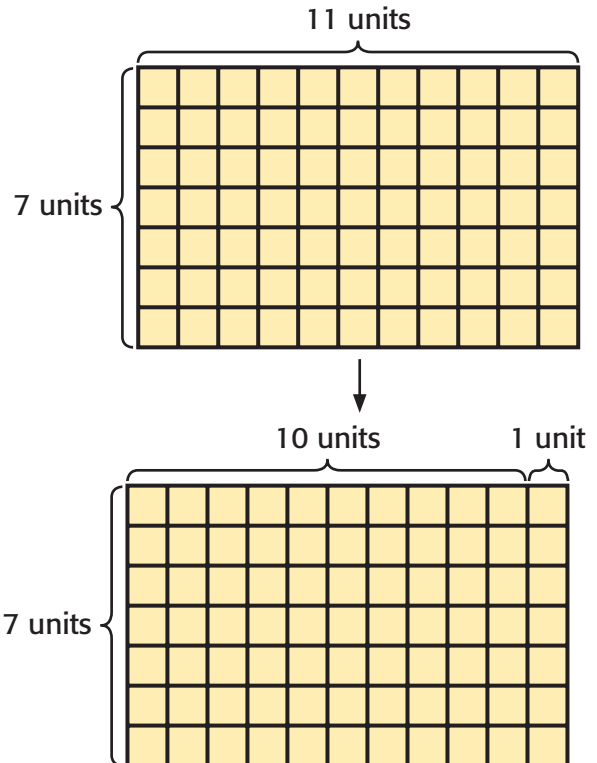


MY Homework**Lesson 7****Hands On: Area and the Distributive Property****Homework Helper**Need help? connectED.mcgraw-hill.com**Use the Distributive Property to find the area of the rectangle.****1** Decompose one factor.

$$11 = 10 + 1$$

2 Find the area of each smaller rectangle. Then add.

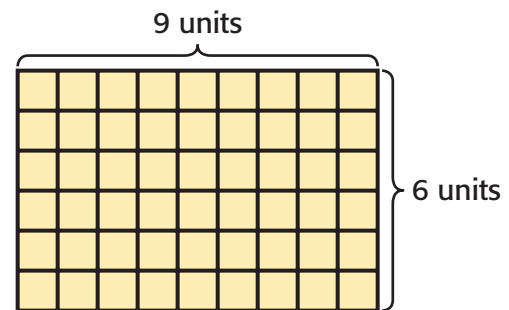
$$\begin{aligned}
 7 \times 11 &= (7 \times 10) + (7 \times 1) \\
 &= 70 + 7 \\
 &= 77
 \end{aligned}$$



So, the area of the rectangle is 77 square units.

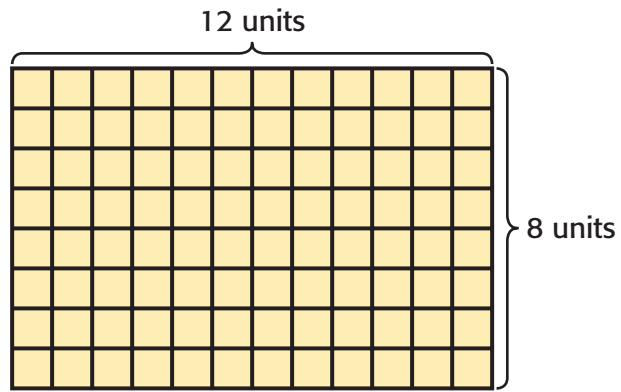
Practice**1.** Use the Distributive Property to find the area of the rectangle.

$$\begin{aligned}
 6 \times 9 &= (6 \times 5) + (6 \times 4) \\
 &= 30 + 24 \\
 &= 54
 \end{aligned}$$

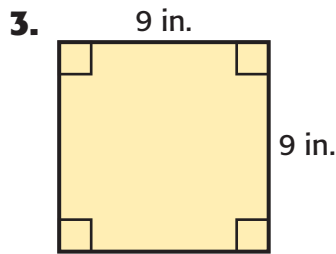


2. Use the Distributive Property to find the area of the rectangle.

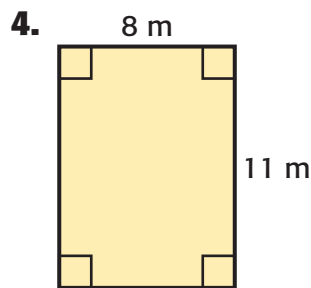
$$\begin{aligned}
 8 \times 12 &= (8 \times 10) + (8 \times 2) \\
 &= \underline{80} + \underline{16} \\
 &= \underline{96}
 \end{aligned}$$



Find the area of each rectangle. Use the Distributive Property to decompose the longer side. Show your steps.



The area is 81 square inches.



The area is 88 square meters.



Problem Solving

5. **Mathematical PRACTICE** **Identify Structure** Erika is painting a rectangular painting. The painting has a length of 12 inches and a width of 10 inches. Use the Distributive Property to decompose the factor 12. Then find the area of the painting.

120 square inches

6. Hector will build a deck in his backyard. The deck has a length of 9 meters and a width of 8 meters. Use the Distributive Property to decompose the factor 9. Then find the area of the deck.

72 square meters

My Work!