Name .....

MY Homework

Lesson 7
Hands On: Area and the Distributive Property

Homework Helper

eHelp

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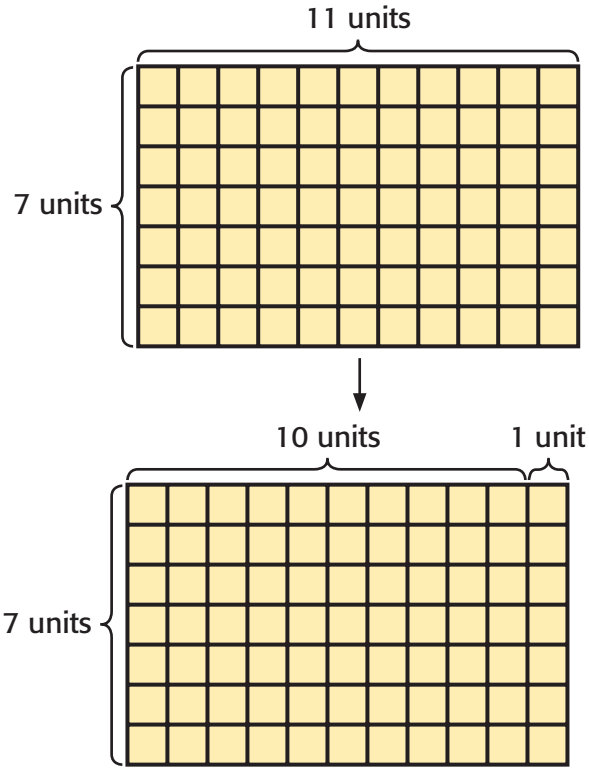
Use the Distributive Property to find the area of the rectangle.



1 Decompose one factor.

$11 = 10 + 1$

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

$7 \times 11 = (7 \times 10) + (7 \times 1)$

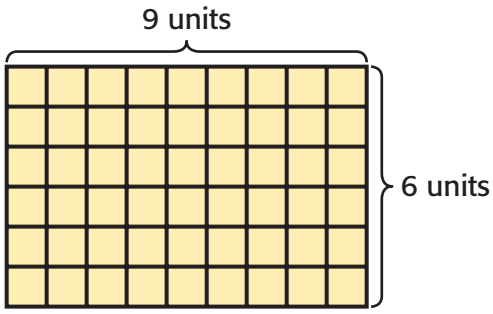
$= 70 + 7$

$= 77$

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

Practice

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



$6 \times 9 = (6 \times 5) + (6 \times 4)$

$= \_\_\_\_ + \_\_\_\_$

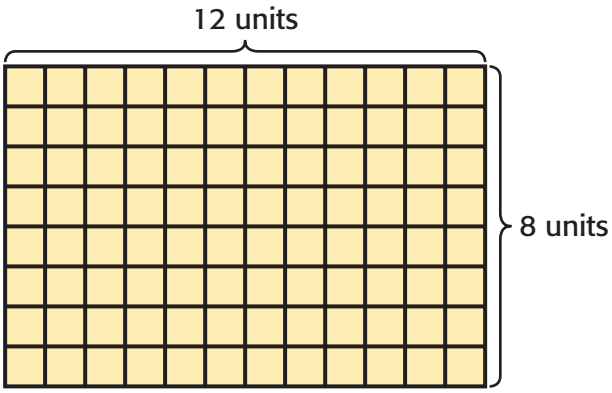
$= \_\_\_\_$

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

$8 \times 12 = (8 \times 10) + (8 \times 2)$

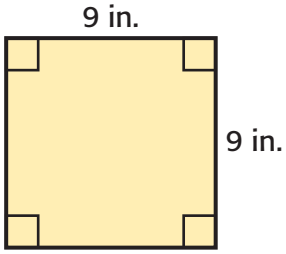
$= \_\_\_\_ + \_\_\_\_$

$= \_\_\_\_$



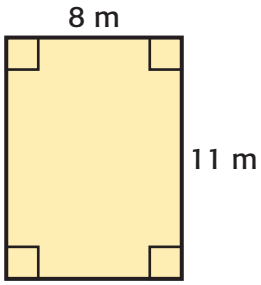
Find the area of each rectangle. Use the Distributive Property to decompose the longer side. Show your steps.

3.



The area is _____ square inches.

4.



The area is _____ square meters.

Problem Solving

5. Mathematical PRACTICE 7 **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.

My Work!

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.