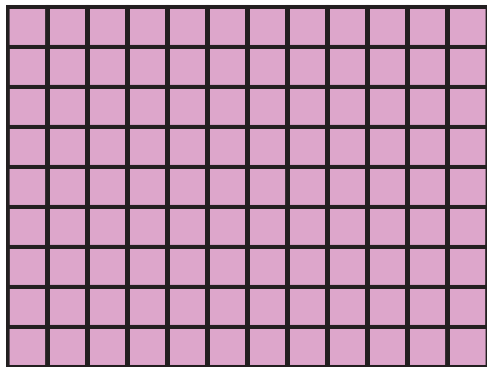# MY Homework

Homework Helper

eHelp

Need help? ⟋ **connectED.mcgraw-hill.com**

Find the area of a parking lot that is 9 yards by 12 yards.

One Way Use a model.

Use grid paper to model the parking lot. Each square equals 1 square yard. Count the number of squares it takes to fill a rectangle that measures 12 units by 9 units.

There are 108 squares, or square units, in all.

Another Way Multiply.

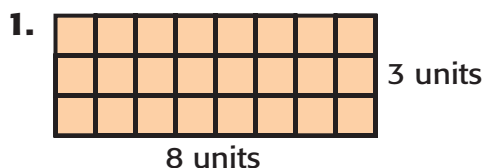To find the area of a rectangle, multiply the length by the width.

$A = \ell \times w$

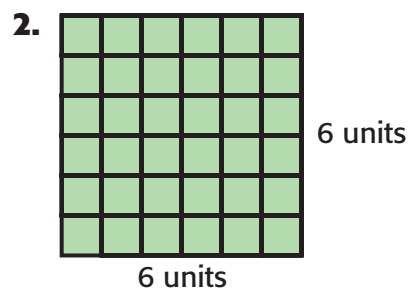$A = 9 \text{ yards} \times 12 \text{ yards}$

$A = 108 \text{ square yards}$

So, the area of the parking lot is 108 square yards.
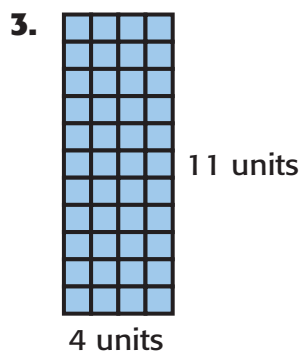
Practice

Find the area of each rectangle.

1.

3 units

8 units

$A =$ _____ square units

2.

6 units

6 units

$A =$ _____ square units

Find the area of each rectangle.

3.

11 units

4 units

$A =$ _____

4.

7 units

6 units

$A =$ _____

Problem Solving

Real World
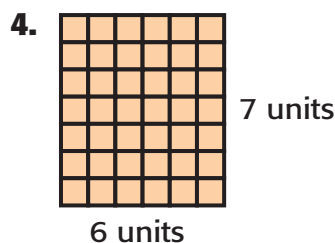
Use the area formula $A = \ell \times w$ you discovered in the lesson to solve each problem.

5. **Mathematical PRACTICE ③ Justify Conclusions** Three guinea pigs living in the same cage need at least 12 square feet of living space. Is a cage that measures 3 feet by 5 feet big enough for three guinea pigs? Explain.

_____

_____

6. Jeanette drew a rectangle with an area of 6 square centimeters. Identify a possible length and width for her rectangle.

_____

7. Marcus wants to carpet his clubhouse. One side of the rectangular floor measures 11 feet. Another side measures 8 feet. How many square feet of carpet does Marcus need to completely cover the floor?

_____

Vocabulary Check

Vocab

8. Explain the relationship between area and square units.

_____

9. Define *unit square*.

_____