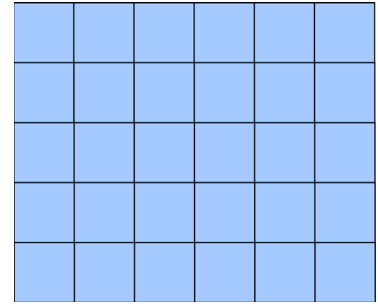# Area of Rectangles 1

How many square units is the area of this rectangle?

Can you think of a quicker way to find that, besides counting the square units one by one?
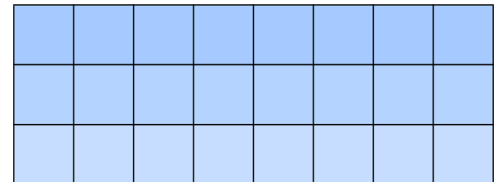
Notice how this rectangle has <u>three</u> rows of square units. Each row has <u>eight</u> squares. It is an array.
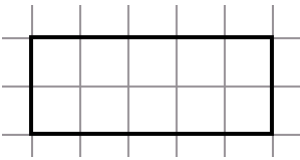
What quick way can we use to find the area?

_____

_____

1. Write a number sentence to find the area. Then write down the area. ("A" means area.)

a.
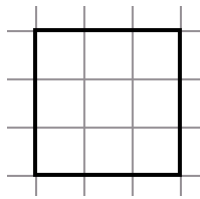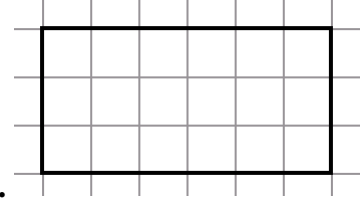
_____ = _____

A = _____ square units

b.

_____ = _____

A = _____ square units

c.

_____ = _____

A = _____ square units

2. Draw two different rectangles with an area of 16 square units.

3. Annie drew a rectangle on a grid paper. She said her rectangle had 2 rows of square units. What other information would you ask Annie to know exactly what the area of her rectangle is?

4. Draw a rectangle that...

   a. has three rows of square units, and an area of 24 square units

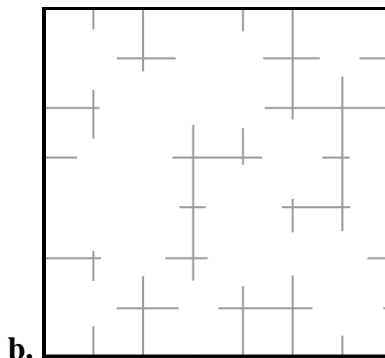   **b.** has two columns of square units, and an area of 8 square units
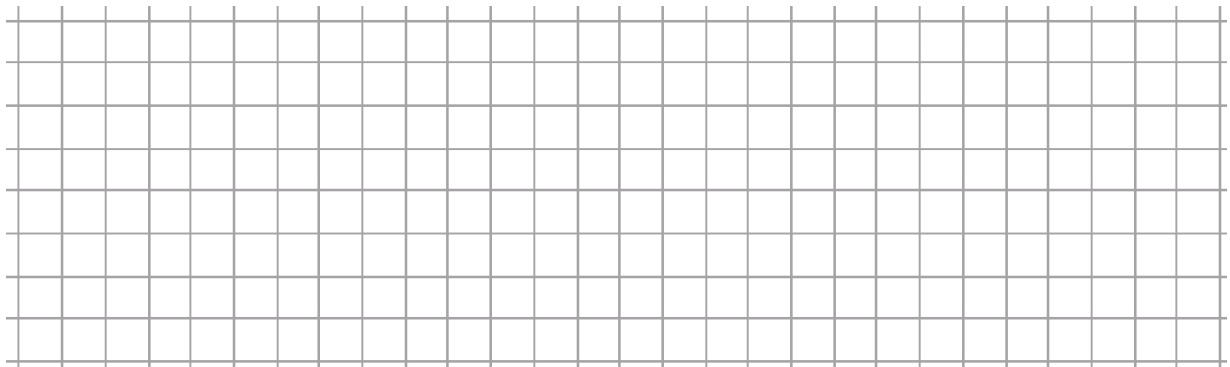
5. Elizabeth made a rectangle using square tiles. It had 4 rows of squares, with 7 squares in each. Then she added one more column to her rectangle. What is its area now?
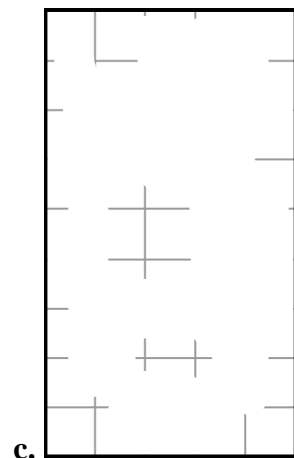
6. Find the areas of these figures when only a portion of the gridlines are visible.

a.

b.

c.
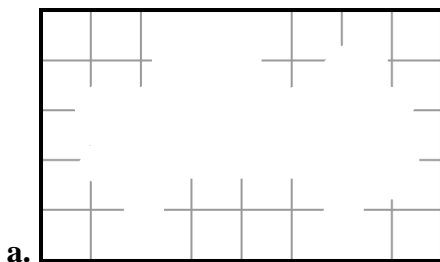
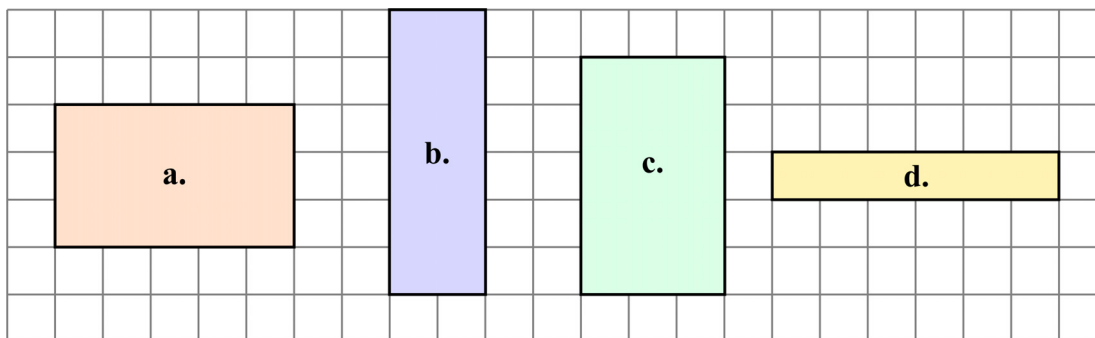_____ square units   _____ square units   _____ square units

7. Write a multiplication to find the area of each rectangle.

Hint: continue the gridlines to clearly see how many rows and columns are in each.

a. _____ × _____ = _____

Area = _____ square units

b. _____ × _____ = _____

Area = _____ square units

c. _____ × _____ = _____

Area = _____ square units

d. _____ × _____ = _____

Area = _____ square units
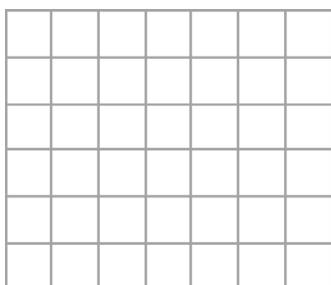
8. Draw two different rectangles with an area of 24 square units. Write a corresponding multiplication for each.
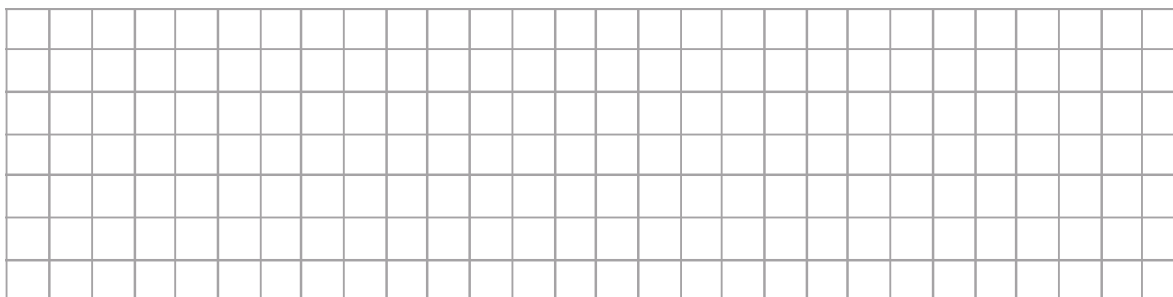
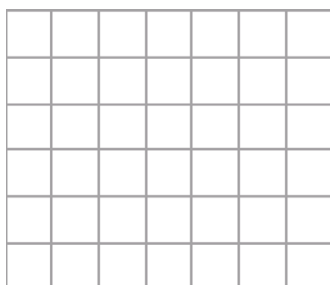Rectangle 1: _____ × _____ = 24   Rectangle 2: _____ × _____ = 24
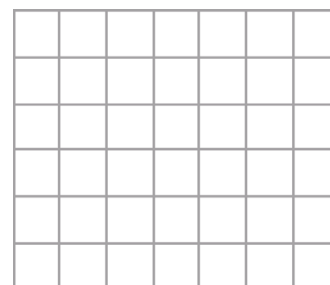
9. Find the missing numbers in these multiplications. Then draw a rectangle so that the multiplication gives the area of that rectangle.

a. $2 \times 7 =$ _____

b. $4 \times$ _____ $= 28$

c. _____ $\times 5 = 30$