

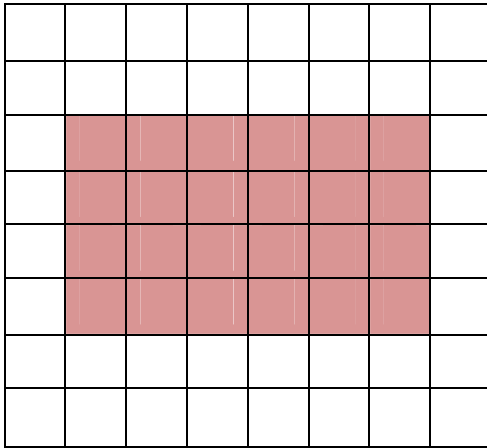
Lesson: Area of rectangles and squares

4th Grade Objective: 2.01 Develop strategies to determine the area of rectangles and the perimeter of plane figures.

Vocabulary: Area is the number of square units that cover a figure. To find the area of a rectangle on a grid, count the number of square units it takes to cover the rectangle.

Lesson:

What is the area of this rectangle?



Count the number of square units it took to cover the rectangle.

The area of the rectangle is 24 square units.

You can also use a formula to find the area of a rectangle.

Count the number of squares across the bottom. This give you the length of the rectangle. The length (l) of this rectangle is 6 units.

Count the number of squares from top to bottom. This give you the width (w) of the rectangle. The width of this rectangle is 4 units.

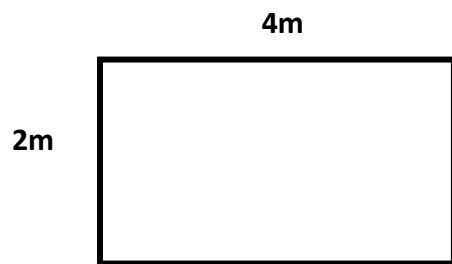
What is the relationship between 24, 6, and 4?

$$24 = 6 \times 4$$

The area (A) of the rectangle is equal to the product of the length (L) and the width (W) of the rectangle.

$$A = L \times W$$

What is the area of the following rectangle?



The length of the rectangle is 4 meters.

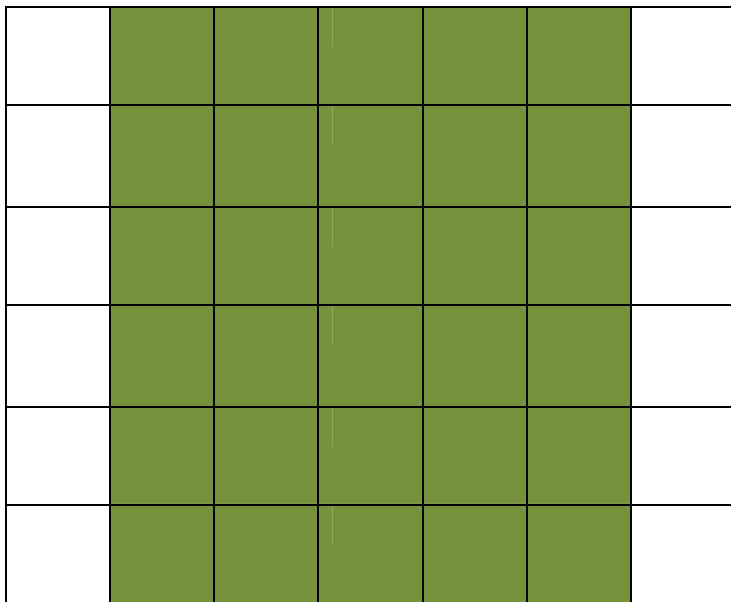
The width of the rectangle is 2 meters.

$$4 \times 2 = 8$$

So, the area of the rectangle is 8 square meters.

Practice:

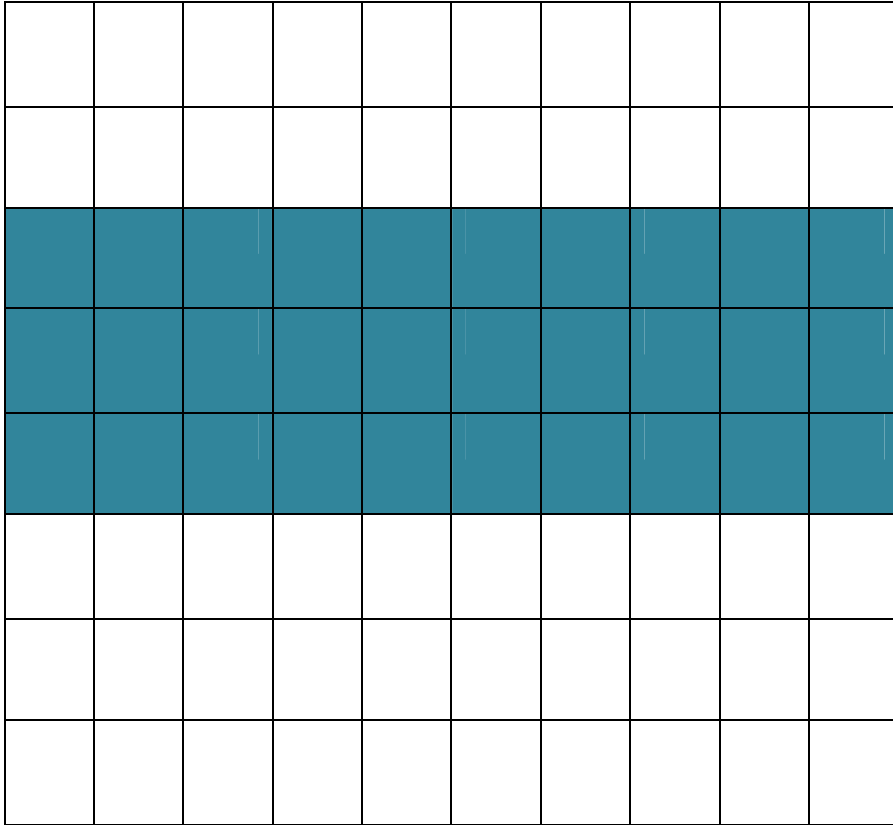
1.



What is the area of the above rectangle?

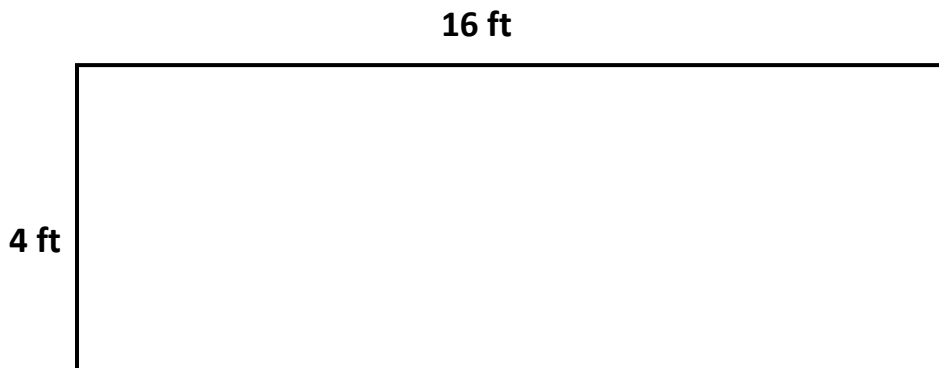
A = _____

2. What is the area of the rectangle below?



$A =$ _____

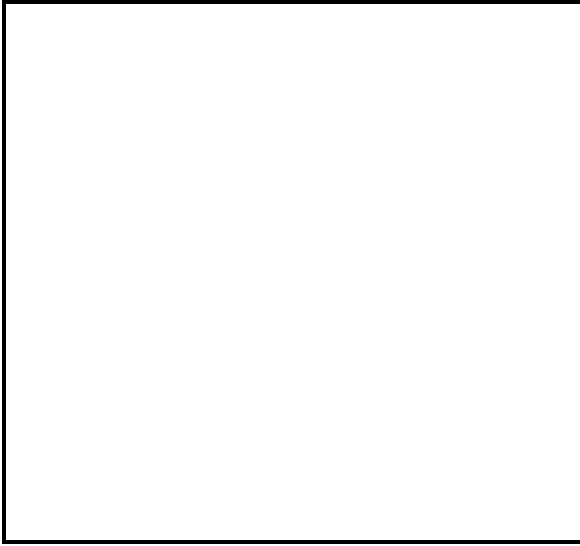
3. What is the area of this rectangle?



$A =$ _____

4.

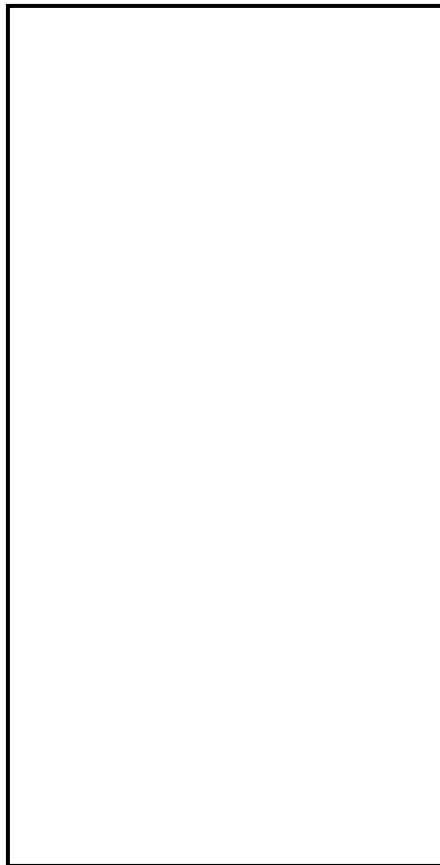
5 m



$A =$ _____

5. Find the area of this reactanlge.

18



11

$A =$ _____