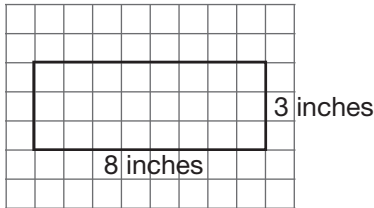


Area of Rectangles and Irregular Figures

Find the area of a rectangle that is 8 inches long and 3 inches wide.

Use Counting

Draw the rectangle on graph paper. Let each square represent 1 square inch.



Count the squares inside the rectangle. There are 24 squares, so the area is 24 sq in.

Use a Formula

Use the formula for area. To find area, multiply length times width.

$$A = \ell \times w \quad \ell = \text{length}, w = \text{width}$$

$$A = 8 \times 3 \quad \ell = 8, w = 3$$

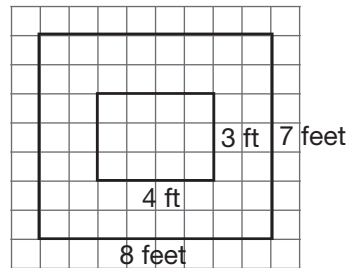
$$A = 24$$

The area of the rectangle is 24 sq in.

A path around a garden measures 8 ft by 7 ft. The garden measures 4 ft by 3 ft. What is the area of the path?

Use Counting

Draw the figure on graph paper. Let each square represent 1 square foot.



Count the squares in the path only. There are 44 squares, so the area is 44 sq ft.

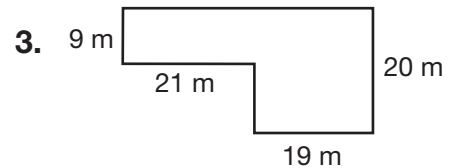
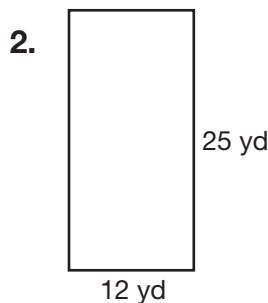
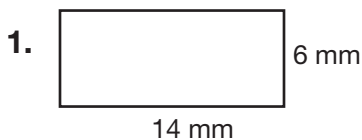
Use a Formula

Find the area of the path and the garden together. Then subtract the area of the garden.

Path:	Display:
$A = \ell \times w$	$A = \ell \times w$
$A = 8 \times 7$	$A = 4 \times 3$
$A = 56 \text{ sq ft}$	$A = 12 \text{ sq ft}$

$$56 - 12 = 44, \text{ so the area is } 44 \text{ sq ft.}$$

Find the area of each figure.



4. Suppose a rectangular path around a rectangular garden measures 4 meters by 7 meters. The garden measures 3 meters by 6 meters. What is the area of the path?
