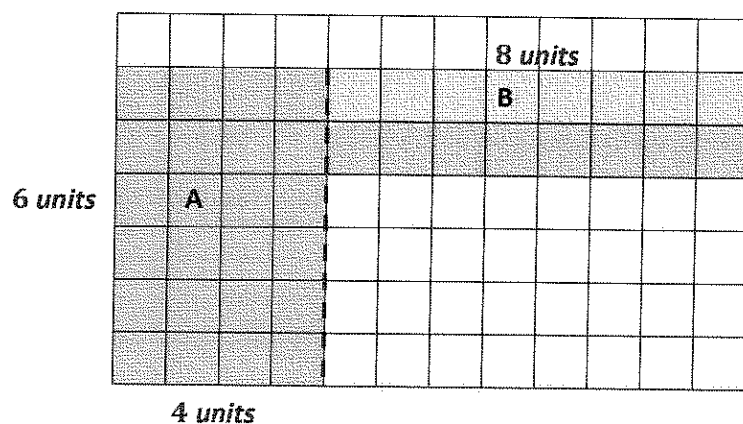


G3-M4-Lesson 13

1. The shaded figure below is made up of 2 rectangles. Find the total area of the shaded figure.



2 units

I can count the square units and label the side lengths of each rectangle inside the figure.

$$6 \times 4 = 24$$

$$2 \times 8 = 16$$

I can multiply the side lengths to find the area of each rectangle inside the figure.

Area of A: 24 sq units

Area of B: 16 sq units

I can add the areas of the rectangles to find the total area of the figure.

$$\text{Area of A} + \text{Area of B} = 24 \text{ sq units} + 16 \text{ sq units} = 40 \text{ sq units}$$

6

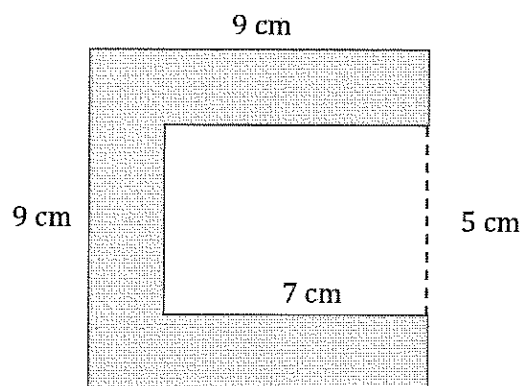
10

$$24 + 6 = 30$$

$$30 + 10 = 40$$

I can use a number bond to help me make a ten to add. I can decompose 16 into 6 and 10. $24 + 6 = 30$ and $30 + 10 = 40$. The area of the figure is 40 square units.

2. The figure shows a small rectangle cut out of a big rectangle. Find the area of the shaded figure.



$$9 \times 9 = 81$$

$$5 \times 7 = 35$$

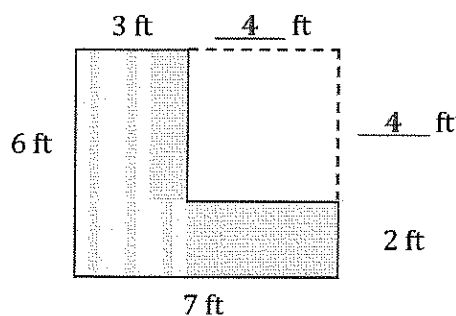
I can multiply the side lengths to find the areas of the large rectangle and the unshaded rectangle.

Area of the shaded figure: $81 - 35 = 46$

Area of the shaded figure: 46 square centimeters

I can subtract the area of the unshaded rectangle from the area of the large rectangle. That helps me find just the area of the shaded figure.

3. The figure shows a small rectangle cut out of a big rectangle.



I can label this as 4 ft because the opposite side of the rectangle is 6 ft. Since opposite sides of rectangles are equal, I can subtract the known part of this side length, 2 ft, from the opposite side length, 6 ft. $6 \text{ ft} - 2 \text{ ft} = 4 \text{ ft}$. I can use a similar strategy to find the other unknown measurement: $7 \text{ ft} - 3 \text{ ft} = 4 \text{ ft}$.

- Label the unknown measurements.
- Area of the big rectangle: $6 \text{ ft} \times 7 \text{ ft} = 42 \text{ sq ft}$
- Area of the small rectangle: $4 \text{ ft} \times 4 \text{ ft} = 16 \text{ sq ft}$
- Find the area of just the shaded part.

$$42 \text{ sq ft} - 16 \text{ sq ft} = 26 \text{ sq ft}$$

The area of the shaded figure is 26 sq ft

I can subtract the area of the small rectangle from the area of the big rectangle to find the area of just the shaded part.