

Name \_\_\_\_\_

# Area of Squares and Rectangles

R 10-8

You can use formulas to find the area of a square or rectangle.

Find the area of a square that is 7.2 m on each side.

Use the formula  $A = s^2$ .

$$A = (7.2)^2$$

$$A = 51.84$$

The area is 51.84 m<sup>2</sup>.

Find the area of a rectangle with a length ( $l$ ) of 4 cm and a width ( $w$ ) of 12 cm.

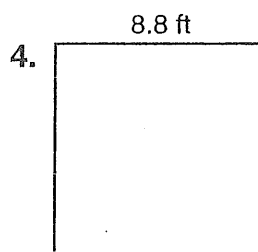
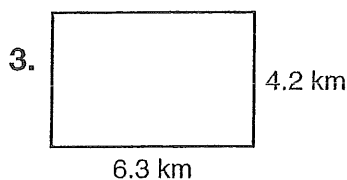
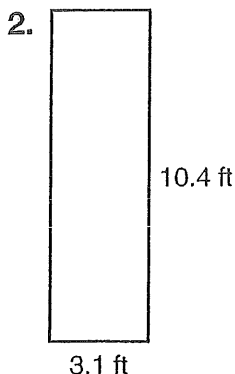
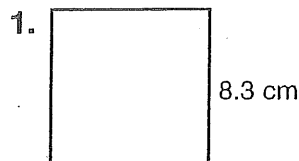
Use the formula  $A = l \times w$ .

$$A = 4 \times 12$$

$$A = 48$$

The area is 48 cm<sup>2</sup>.

Find the area of each figure.



5. **Reasoning** What is the length of a rectangle that has an area of 120 ft<sup>2</sup> and a width of 8 ft? \_\_\_\_\_

6. **Number Sense** What is the area of a square that is 12.4 cm on each side? \_\_\_\_\_

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