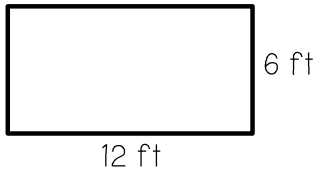


# AREA OF RECTANGLES AND PARALLELOGRAMS

Solve the problems below. Be sure to show your work. Figures are not drawn to scale.

1. Determine the area of the rectangle.

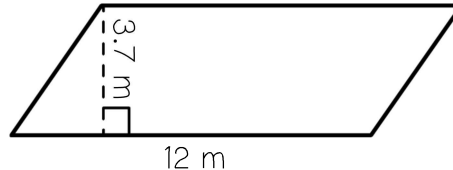


Formula: \_\_\_\_\_

Plug in Values: \_\_\_\_\_

Area: \_\_\_\_\_

2. Determine the area of the parallelogram.

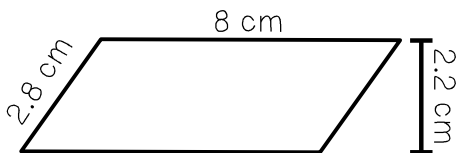


Formula: \_\_\_\_\_

Plug in Values: \_\_\_\_\_

Area: \_\_\_\_\_

3. What is the area of the parallelogram?



Formula: \_\_\_\_\_

Plug in Values: \_\_\_\_\_

Area: \_\_\_\_\_

4. What is the area of the rectangle?



Formula: \_\_\_\_\_

Plug in Values: \_\_\_\_\_

Area: \_\_\_\_\_

Read each question, sketch a picture, and then solve for the area.

5. A broken rectangular-shaped window is being replaced. It measures 24 inches by 18 inches. How many square inches of glass are needed to repair the window?

6. A parallelogram is being painted on the wall of a playroom. The parallelogram measures 7.3 meters in length and has a height of 5 meters. How many square meters of paint are needed?

7. Amy solved the following question on her math test. Is she correct? If not, explain why and solve the problem correctly.



$$A = bh$$

$$A = 13(8.2)$$

$$A = 106.6 \text{ in}^2$$