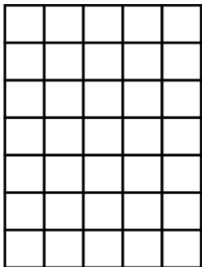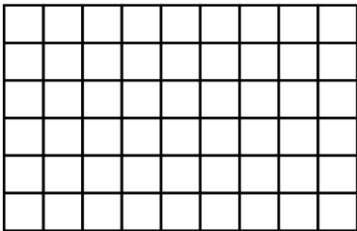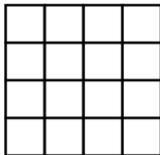## AREA OF RECTANGLES

- Area is the _____ _____ of a two-dimensional figure. We can think of it as the square units that a shape covers.

- Use the formula _____, where "b" is the length of the _____, and "h" is the height of the rectangle.

- Area is measured in _____ units:

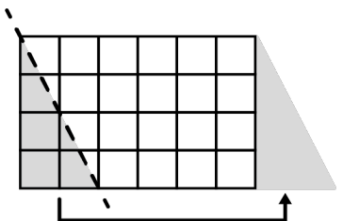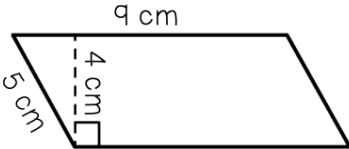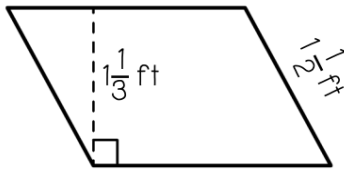Ex: inches • inches = ____   feet • feet = ____   meters • meters = ____

Count the number of squares to find the dimensions and area of each rectangle. Then use the area formula to verify your answer.

RECTANGLE 1	RECTANGLE 2	RECTANGLE 3
Formula: _____	Formula: _____	Formula: _____
Plug in Values: _____	Plug in Values: _____	Plug in Values: _____
Area: _____	Area: _____	Area: _____

AREA OF PARALLELOGRAMS

- The dimensions of a parallelogram are also referred to as the base and height.

- Use the formula _____, where "b" is the length of the base and "h" is the height of the parallelogram, which makes a _____ with the base.
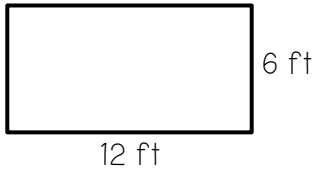
Count the number of squares to find the dimensions and area of parallelogram 1. Then use the area formula to find the area of parallelograms 2 and 3.

PARALLELOGRAM 1	PARALLELOGRAM 2	PARALLELOGRAM 3
Formula: _____	Formula: _____	Formula: _____
Plug in Values: _____	Plug in Values: _____	Plug in Values: _____
Area: _____	Area: _____	Area: _____

Name _____

Date _____ Pd_____

AREA OF RECTANGLES AND PARALLELOGRAMS

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

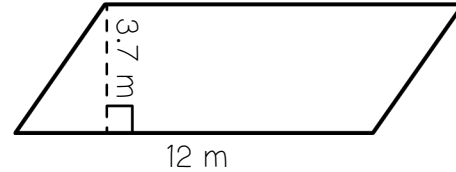**1. Determine the area of the rectangle.**

6 ft

12 ft

Formula: _____

Plug in Values: _____

Area: _____

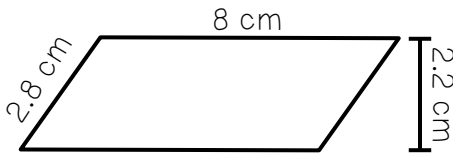**2. Determine the area of the parallelogram.**

3.7 m

12 m

Formula: _____

Plug in Values: _____

Area: _____

---

3. What is the area of the parallelogram?

8 cm

2.8 cm

2.2 cm

Formula: _____

Plug in Values: _____

Area: _____

---

4. What is the area of the rectangle?

15 in

$2\frac{1}{2}$ in
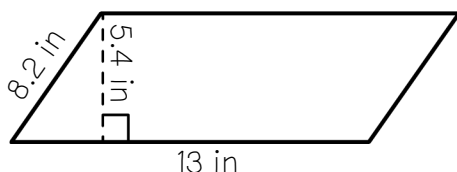
Formula: _____

Plug in Values: _____

Area: _____

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

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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?

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

8.2 in

5.4 in

13 in

$A = bh$

$A = 13 (8.2)$

$A = 106.6$ in^2