

Name _____

Area

Estimate how many small squares you think it will take to cover the construction paper.

_____ small squares

1. How many small squares did it take to cover the construction paper?
2. What is the length of the construction paper in units of small squares?
3. What is the width of the construction paper in units of small squares?
4. What is the area of the construction paper in units of small squares?

Estimate how many large squares you think it will take to cover the construction paper.

_____ large squares

5. How many large squares did it take to cover the construction paper?
6. What is the length of the construction paper in units of large squares?
7. What is the width of the construction paper in units of large squares?
8. What is the area of construction paper in units of large squares?

Area

1. Make the rectangular shapes described in the chart below on your geoboard and then determine their area. Record your results in the chart.

Rectangle	Length (in square units)	Width (in square units)	Area (in square units)
A	4	2	
B	6	1	
C	2	5	
D	4	3	

2. How can you use a rectangle's length and width to calculate its area?

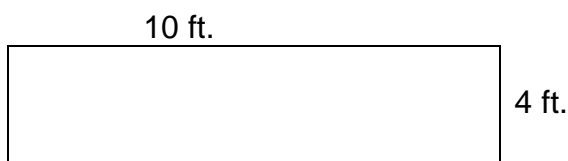
3. Calculate the area of a rectangle with a length of 3 square units and a width of 9 square units. Draw a picture below the line to help you. Use the small squares to check your work.

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Area

Directions: Read the problems and work them out. Remember the formula for area = length x width. Do not forget to label your answers.

Joe wants to build a pool. He knows the length is 10 ft. and the width is 4 ft.

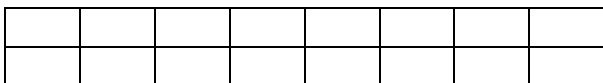


1. Calculate the area and show all of your work:

3. How many square feet of carpet will Ashley need if the width of her living room is 7 feet and the length is 11 feet? Draw a picture and solve.

4. Find the area of your desk to the nearest square foot. Draw a picture to help you.

5. Tell two different ways to figure out the area of the rectangle below:



6. Your dad wants to make a plant garden in your backyard. His garden will be 8 yards long and 4 yards wide. How many square yards will the garden be? Draw a picture and solve.