



Name \_\_\_\_\_

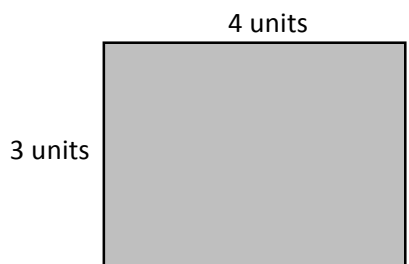
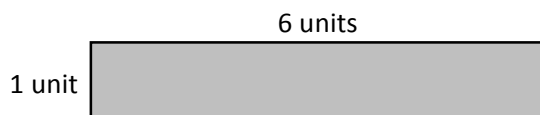
Date \_\_\_\_\_

1. Cut out the unit squares above. Then, use them to make as many rectangles as you can with a perimeter of 10 centimeters.
  - a. Estimate to draw your rectangles below. Label the side lengths of each rectangle.

- b. Find the areas of the rectangles in Part (a) above.



2. Gino uses unit square tiles to make rectangles with a perimeter of 14 units. He draws his rectangles as shown below. Using square unit tiles, can Gino make another rectangle that has a perimeter of 14 units? Explain your answer.



3. Katie draws a square that has a perimeter of 20 centimeters.
- Estimate to draw Katie's square below. Label the length and width of the square.
  - Find the area of Katie's square.
  - Estimate to draw a different rectangle that has the same perimeter as Katie's square.
  - Which shape has a greater area, Katie's square or your rectangle?



Name \_\_\_\_\_

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Use the data you gathered from Problem Sets 20 and 21 to complete the charts to show how many rectangles you can create with a given perimeter. You might not use all the spaces in the charts.

Perimeter = 10 units Number of rectangles you made: _____		
Width	Length	Area
1 unit	4 units	4 square units

Perimeter = 12 units Number of rectangles you made: _____		
Width	Length	Area

Perimeter = 14 units Number of rectangles you made: _____		
Width	Length	Area

Perimeter = 16 units Number of rectangles you made: _____		
Width	Length	Area

Perimeter = 18 units Number of rectangles you made: _____		
Width	Length	Area

Perimeter = 20 units Number of rectangles you made: _____		
Width	Length	Area