

Name \_\_\_\_\_

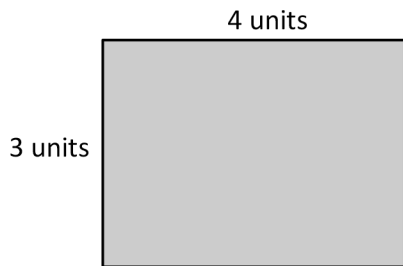
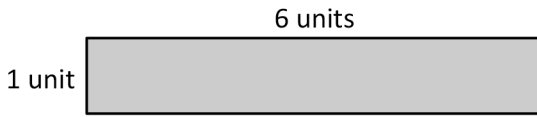
Date \_\_\_\_\_

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?

## Answer Key

1.
  - a. 2 rectangles drawn and labeled
  - b. 4 square units, 6 square units
2. Yes; explanations will vary.
3.
  - a. 5 cm by 5 cm square drawn and labeled
  - b. 25 sq cm
  - c. Different rectangle drawn
  - d. Katie's square