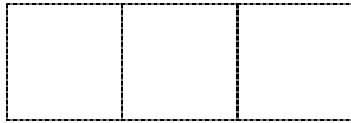


Name _____

Date _____

1. A rectangular pool is 7 feet wide. It is 3 times as long as it is wide.

- a. Label the diagram with the dimensions of the pool.



- b. Find the perimeter of the pool.

2. A rectangular bumper sticker is 3 inches long. It is 4 times as wide as it is long.

- a. Draw a diagram of the bumper sticker and label its dimensions.

- b. Find the perimeter and area of the bumper sticker.

3. The area of a rectangle is 36 square centimeters and its length is 9 centimeters.
- What is the width of the rectangle?
 - Elsa wants to draw a second rectangle that is the same length but is 3 times as wide. Draw and label Elsa's second rectangle.
 - What is the perimeter of Elsa's second rectangle?
4. The area of Nathan's bedroom rug is 15 square feet. The longer side measures 5 feet. His living room rug is twice as long and twice as wide as the bedroom rug.
- Draw and label a diagram of Nathan's bedroom rug. What is its perimeter?
 - Draw and label a diagram of Nathan's living room rug. What is its perimeter?

- c. What is the relationship between the two perimeters?
- d. Find the area of the living room rug using the formula $A = l \times w$.
- e. The living room rug has an area that is how many times that of the bedroom rug?
- f. Compare the way the perimeter changed with the way the area changed between the two rugs. Explain what you notice using words, pictures, or numbers.