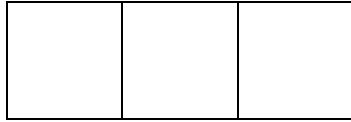


Name _____

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 poster is 3 inches long. It is 4 times as wide as it is long.

a. Draw a diagram of the poster, and label its dimensions.

b. Find the perimeter and area of the poster.

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.
- a. Draw and label a diagram of Nathan's bedroom rug. What is its perimeter?
- b. 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 how the perimeter changed with how the area changed between the two rugs. Explain what you notice using words, pictures, or numbers.