

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.

3. The area of a rectangle is 36 square centimeters and its length is 9 centimeters.
- a. What is the width of the rectangle?

 - b. 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.

 - c. 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.
- 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?

Answer Key

1.
 - a. Width 7 ft, length 21 ft
 - b. 56 ft
2.
 - a. Diagram drawn; width 3 in, length 12 in
 - b. 30 in; 36 sq in
3.
 - a. 4 cm
 - b. Diagram drawn; width 9 cm, length 12 cm
 - c. 42 cm
4.
 - a. Diagram drawn and labeled; 16 ft
 - b. Diagram drawn and labeled; 32 ft
 - c. The perimeter of the living room rug is double the perimeter of the bedroom rug.
 - d. 60 sq ft
 - e. 4
 - f. When the side lengths are doubled, the perimeter will double but the area will quadruple.