

Name _____

Date _____

1. A rectangular porch is 4 feet wide. It is 3 times as long as it is wide.

a. Label the diagram with the dimensions of the porch.



b. Find the perimeter of the porch.

2. A narrow rectangular banner is 5 inches wide. It is 6 times as long as it is wide.

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

b. Find the perimeter and area of the banner.

3. The area of a rectangle is 42 square centimeters. Its length is 7 centimeters.
- a. What is the width of the rectangle?
- b. Charlie wants to draw a second rectangle that is the same length but is 3 times as wide. Draw and label Charlie's second rectangle.
- c. What is the perimeter of Charlie's second rectangle?

4. The area of Betsy's rectangular sandbox is 20 square feet. The longer side measures 5 feet. The sandbox at the park is twice as long and twice as wide as Betsy's.
- a. Draw and label a diagram of Betsy's sandbox. What is its perimeter?
- b. Draw and label a diagram of the sandbox at the park. What is its perimeter?
- c. What is the relationship between the two perimeters?
- d. Find the area of the park's sandbox using the formula $A = l \times w$.

- e. The sandbox at the park has an area that is how many times that of Betsy's sandbox?
- f. Compare how the perimeter changed with how the area changed between the two sandboxes. Explain what you notice using words, pictures, or numbers.