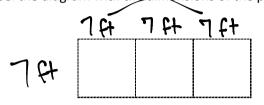
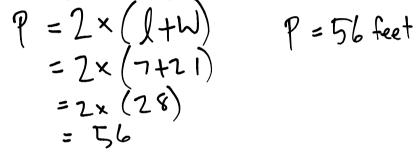
Name

Date

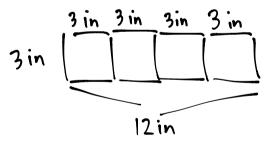
- 1. A rectangular pool is 7 feet wide. It is 3 times as long as it is wide.
 - 21ft a. Label the diagram with the dimensions of the pool.



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.

$$P = 2 \times (1 + W)$$

= 2 × (3 + 12)
= 2 × (15)
= 30

P = 30 in A = 36 sq. in

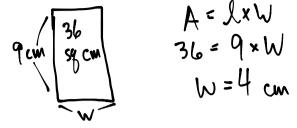
COMMON Lesson 2: CORE Date:

Solve multiplicative comparison word problems by applying the area and perimeter formulas. 8/28/13

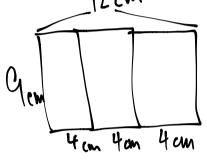




- 3. The area of a rectangle is 36 square centimeters and its length is 9 centimeters.
 - a. What is the width of the rectangle?



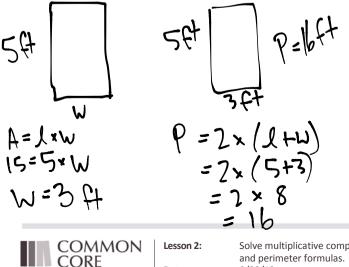
b. Elsa wants to draw a second rectangle that is the same length but is 3 times as wide. Draw and label Elsa's second rectangle.



c. What is the perimeter of Elsa's second rectangle?

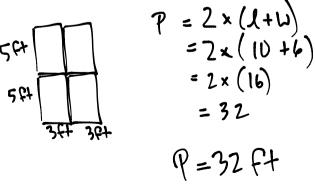
$$P=42$$
 cm

- 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?



Date:

b. Draw and label a diagram of Nathan's living room rug. What is its perimeter?



Solve multiplicative comparison word problems by applying the area and perimeter formulas. 8/28/13

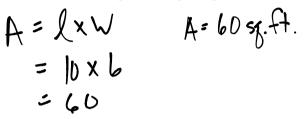


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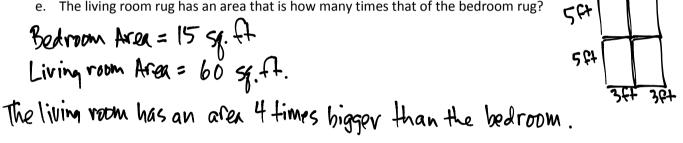
c. What is the relationship between the two perimeters?

The porimeter of the living room is Bedroom = 16 ft double the bedroom's perimeter. Living room = 32 ft

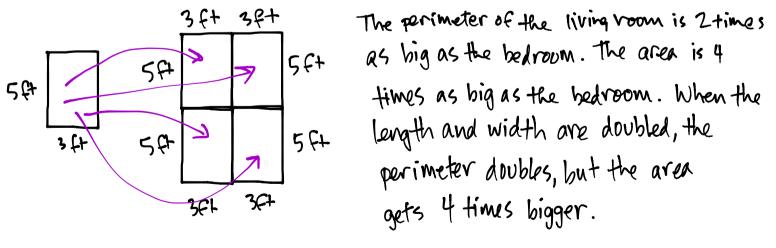
d. Find the area of the living room rug using the formula $A = I \times w$.



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.





Solve multiplicative comparison word problems by applying the area and perimeter formulas. 8/28/13





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