Finding the Perimeter

**Family Note** In class, students developed some rules, or *formulas*, for finding the perimeter of a rectangle. Here are three possible formulas:

- Add the measures of the four sides: perimeter of a rectangle = length + length + width + width. This formula can be abbreviated as: \( p = l + l + w + w \).
- Add the two given sides and double the sum: perimeter of a rectangle = \( 2 \times (\text{length} + \text{width}) \). This formula can be abbreviated as: \( p = 2 \times (l + w) \).
- Double the length, double the width, and then add: perimeter of a rectangle = \( (2 \times \text{length}) + (2 \times \text{width}) \). This formula can be abbreviated as: \( p = 2l + 2w \).

In all of the formulas, the letter \( p \) stands for the *perimeter of a rectangle*, the letter \( l \) stands for the *length of the rectangle*, and the letter \( w \) stands for the *width of the rectangle*.

Find the perimeters of the rectangles below.

1.  
   ![Rectangle](image1)  
   - 7 feet  
   - 8 feet  
   - Perimeter: _______ feet

2.  
   ![Rectangle](image2)  
   - 9 inches  
   - 12 inches  
   - Perimeter: _______ inches

3.  
   ![Rectangle](image3)  
   - 22 feet  
   - 36 feet  
   - Perimeter: _______ feet

4.  
   ![Rectangle](image4)  
   - 2 feet  
   - 30 inches  
   - Perimeter: _______ inches

5. The perimeter of a garden is 42 feet. The length is 15 feet. What is the width?  
   Width: _______ feet

**Practice**

Round each number to the nearest ten-thousand and hundred-thousand.

6. 421,492  
   ________  
   ________

7. 895,531  
   ________  
   ________