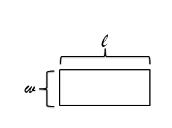
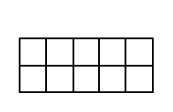
Name Date

**Topic 2 Quiz**

**Solve the following questions.**

1. In the drawing below, what do the letters and represent?
2. What does the expression ***represent***?
3. The rectangle below is congruent (same shape & size) to the rectangle shown in Problem 1. Use this information to evaluate the expression from Problem 2.



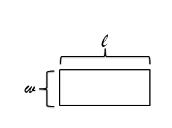
1. Using the formula , find the volume of a right rectangular prism when the length of the prism is , the width is , and the height is .

Draw a model to support your answer.

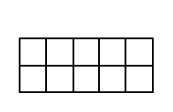
1. What is the difference between and 6?
2. Write as a multiplication expression having repeated factors.
3. Writeusing exponents
4. Evaluate this expression:
5. Evaluate this expression:
6. Evaluate this expression:

Answer Key

1. In the drawing below, what do the letters and represent?



* + 1. Length and width of the rectangle

1. What does the expression represent?
   * 1. Perimeter of the rectangle, or the sum of the sides of the rectangle
2. What does the expression represent?
   * 1. Area of the rectangle
3. The rectangle below is congruent to the rectangle shown in Problem 1. Use this information to evaluate the expressions from Problems 2 and 3.
   * 1. 
     2. and
4. What is the difference between and ?
   * 1. or times ;
5. Write as a series of products.
6. Write using an exponent.
7. Evaluate this expression:
8. Evaluate this expression:
9. Evaluate this expression: