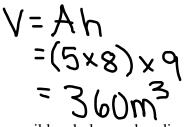
Unit 4: Measuring Prisms and Cylinders

Name: _____

4.5 Volume of a Right Rectangular Prism – Worksheet

1. Find the volume of a rectangular prism measuring 5 m by 8 m by 9 m.



- 2. Find all possible whole-number dimensions of a rectangular prism with volume 30 m³.
 - 1-10-3 1-2-15 3-5-2 1-5-6 1-1-30

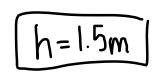
3. Maria's backyard pool is in the shape of a rectangular prism. The pool is 5 m wide and 8 m long. It holds 60 m³ of water.
a) What is the depth of the water?

$$V = 1 \times W \times h$$

$$60 = 5 \times 8 \times h$$

$$\frac{60}{40} = 40 \times h$$

$$40 = 40$$



b) Maria has to decrease the depth of water by 0.5 m for the winter. How much water does she take out?