

Volume of a Rectangular Prism

Practice Your Understanding

Name: _____

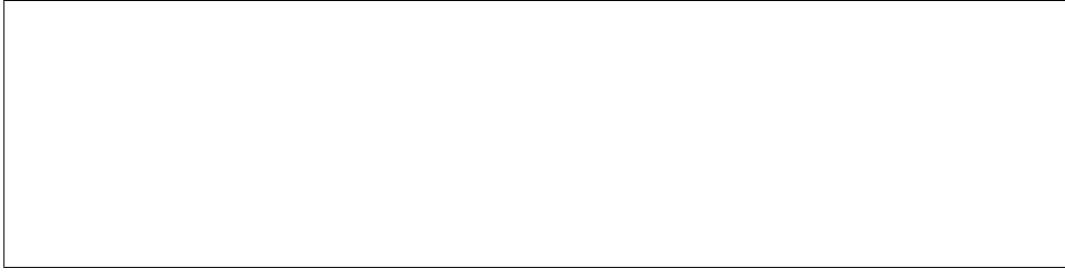
Date: _____

1. Write down the equation for calculating the volume of a rectangular prism below:

2. Using this formula calculate the volume of a rectangular prism that has a length of 6.4 m , a width of 5.7 m , and a height of 9.3 m . Show all work and record your answer below:

3. Given the volume of a rectangular prism to be 1167.41 m^3 , and a length to be 6.7 m , find the width and height if they are equal to each other. You can use a calculator for this problem, but show all the steps you would take to solve this problem and record your answer below:

4. What is the height of a rectangular prism that has a length of 9.7 m , a width of 8.9 , and a volume of 500.71 m^3 ? You can use a calculator for this problem, but show all the steps you would take to solve this problem and record your answer below:



5. What is the volume of a rectangular prism that has the length, width, and height have a value all equal to 1 m ? What would you call a rectangular prism of this type? Does the shape resemble something else? Show all work and record your answer below:

