

# Volume of a Sphere

## Practice Your Understanding

Name: \_\_\_\_\_

Date: \_\_\_\_\_

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

2. Using this formula calculate the volume of a sphere that has a radius of  $21.47\text{ m}$ . Show all work and record your answer below:

3. Given the volume of a sphere to be  $4711.82\text{ m}^3$ , find the radius of the sphere. 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 volume of a sphere that has a radius of  $\frac{31}{50}\text{ m}$ . What would you call a sphere of this type? Show all work and record your answer below:

