

# Volume of a Sphere

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

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

To find the volume of a sphere ( $V = \frac{4}{3} \pi r^3$ )

- 1) If the radius is 13 cm then calculate the volume of a sphere?

\_\_\_\_\_

- 2) An orange has a diameter of 26 centimeters. Find the volume of an orange?

\_\_\_\_\_

- 3) Calculate the diameter of a sphere shaped ball, if the radius of a ball is 17 centimeters.

\_\_\_\_\_

- 4) A ball has a diameter of 23 inches. What is the volume of the ball?

\_\_\_\_\_

- 5) Sam measures the diameter of a balloon as 21 centimeters and calculated its radius as 10.5cm. Calculate the volume of the balloon?

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9202.77 cm<sup>3</sup>

- 2) An orange has a diameter of 26 centimeters. Find the volume of an orange?

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- 3) Calculate the diameter of a sphere shaped ball, if the radius of a ball is 17 centimeters.

34 cm

- 4) A ball has a diameter of 23 inches. What is the volume of the ball?

6370.63 in<sup>3</sup>

- 5) Sam measures the diameter of a balloon as 21 centimeters and calculated its radius as 10.5cm. Calculate the volume of the balloon?

4849.05 cm<sup>3</sup>