

Volume of a Sphere

Name: _____

Date: _____

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

- 1) If the diameter is 12 mm then calculate the volume of a sphere?

904.78 mm³

- 2) Calculate the volume of a sphere if the diameter is 18 m.

- 3) If the radius is 8 cm then calculate the volume of a sphere?

- 4) Calculate the volume of a sphere if the diameter is 24 mm.

- 5) If the radius is 11 cm then calculate the volume of a sphere?

- 6) If the diameter is 18 cm then calculate the radius of a sphere?

- 7) Calculate the volume of a sphere if the diameter is 28 mm.

- 8) Calculate the diameter of a sphere if the radius is 11 mm.

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

- 1) If the diameter is 12 mm then calculate the volume of a sphere?

904.78 mm³

- 2) Calculate the volume of a sphere if the diameter is 18 m.

3053.63 m³

- 3) If the radius is 8 cm then calculate the volume of a sphere?

2144.66 cm³

- 4) Calculate the volume of a sphere if the diameter is 24 mm.

7238.23 mm³

- 5) If the radius is 11 cm then calculate the volume of a sphere?

5575.28 cm³

- 6) If the diameter is 18 cm then calculate the radius of a sphere?

9 cm

- 7) Calculate the volume of a sphere if the diameter is 28 mm.

11494.04 mm³

- 8) Calculate the diameter of a sphere if the radius is 11 mm.

22 mm