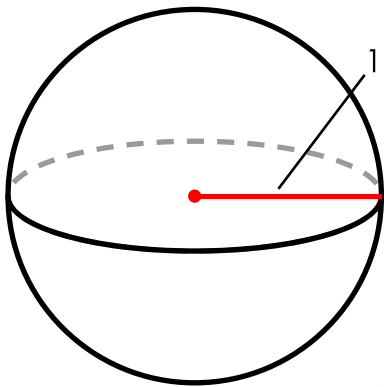


Name: _____

Volume of a Sphere



$$V = \frac{4}{3} \pi r^3$$

$$\approx \frac{4}{3} \cdot 3.14 \cdot 1.76^3$$

$$\approx \frac{4}{3} \cdot 3.14 \cdot 5.451776$$

$$\approx 22.824769$$

The volume of the sphere is approximately 22.82 cm³.

Find the volume of each sphere. Use 3.14 for π .
Round your answer to the nearest hundredth.

1

2 4.27 mm

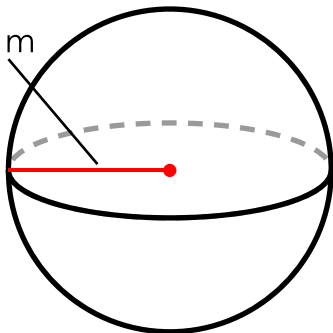
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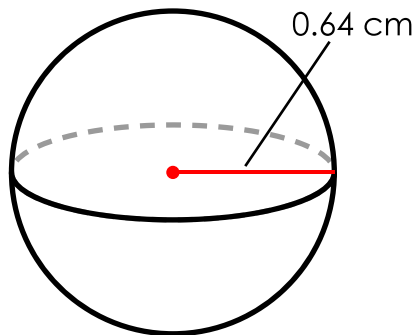
Preview

Please log in to download
the printable version of this worksheet.

4. 7.99 m

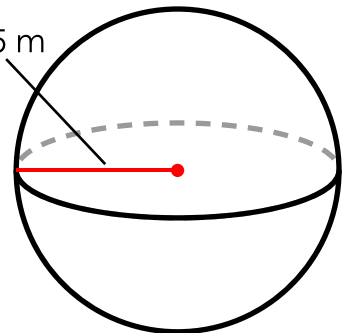


5.



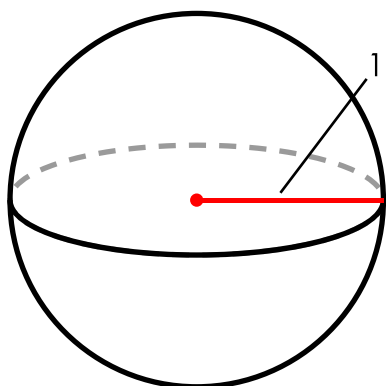
6.

5.5 m



ANSWER KEY

Volume of a Sphere



$$\begin{aligned}V &= \frac{4}{3}\pi r^3 \\ &\approx \frac{4}{3} \cdot 3.14 \cdot 1.76^3 \\ &\approx \frac{4}{3} \cdot 3.14 \cdot 5.451776 \\ &\approx 22.824769\end{aligned}$$

The volume of the sphere is approximately 22.82 cm³.

Find the volume of each sphere. Use 3.14 for π .
Round your answer to the nearest hundredth.

1

2 4.27 mm

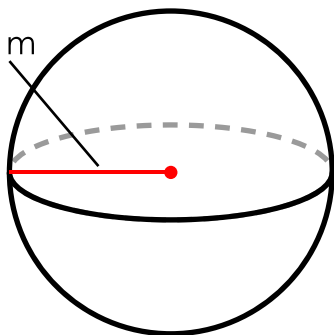
3



Preview

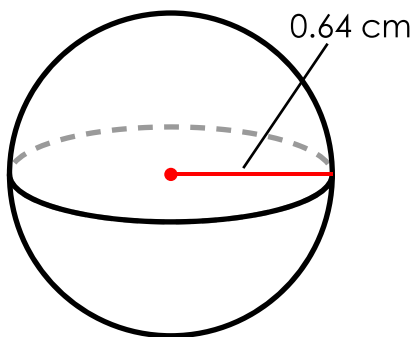
Please log in to download
the printable version of this worksheet.

4. 7.99 m



2,135.54 m³

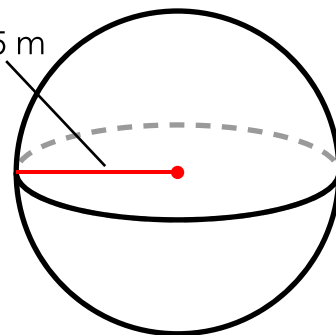
5.



1.1 cm³

6.

5.5 m



696.56 mm³