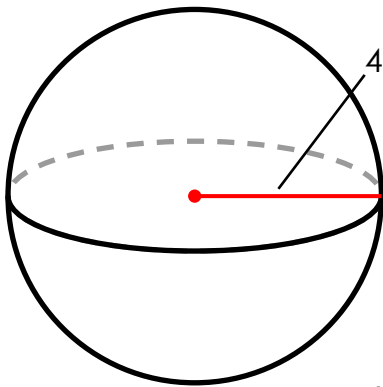


Name: _____

Volume of a Sphere



$$\begin{aligned}V &= \frac{4}{3}\pi r^3 \\ &\approx \frac{4}{3} \cdot 3.14 \cdot 4^3 \\ &\approx \frac{4}{3} \cdot 3.14 \cdot 64 \\ &\approx 267.947\end{aligned}$$

The volume of the sphere is approximately 267.9 cm³.

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

1

2

3

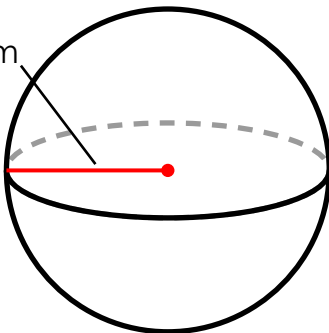


Preview

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

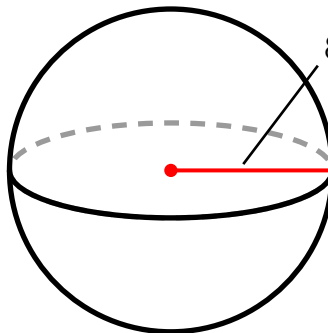
4.

3 mm



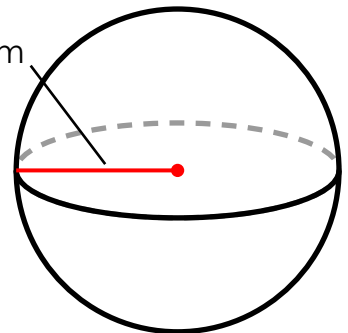
5.

8 m



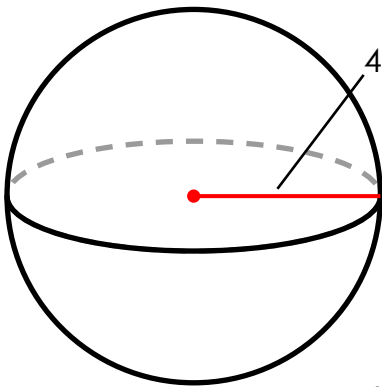
6.

7 cm



ANSWER KEY

Volume of a Sphere



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1

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3

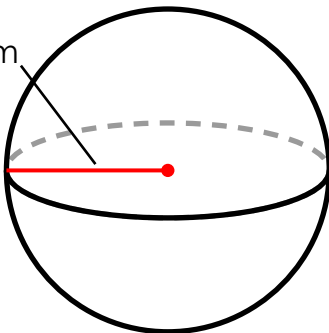


Preview

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

4.

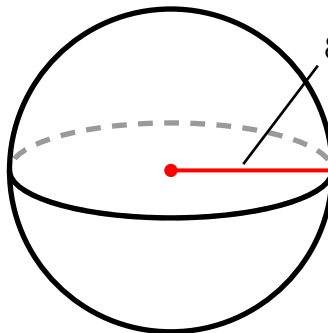
3 mm



113 mm³

5.

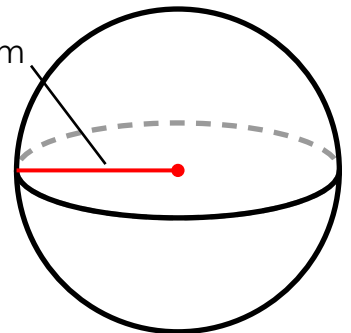
8 m



2,143.6 m³

6.

7 cm



1,436 cm³