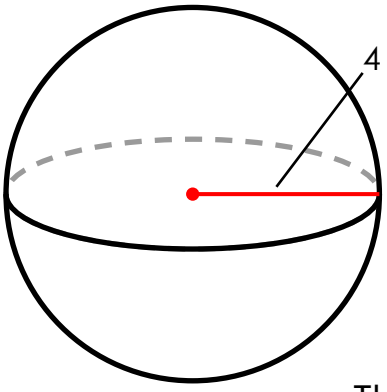
Name: _____

Volume of a Sphere

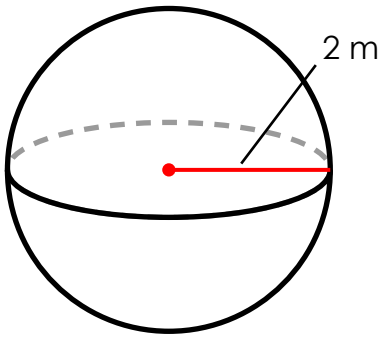


$$V = \frac{4}{3}\pi r^3$$
$$\approx \frac{4}{3} \cdot 3.14 \cdot 4^3$$
$$\approx \frac{4}{3} \cdot 3.14 \cdot 64$$
$$\approx 267.947$$

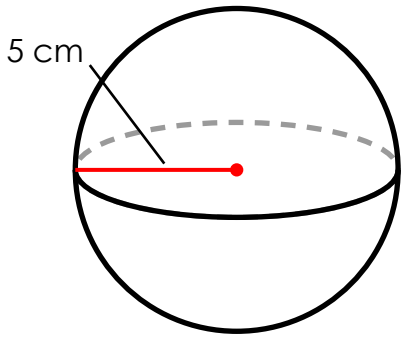
The volume of the sphere is approximately 267.9 cm³.

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

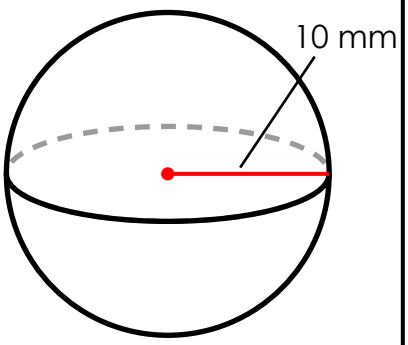
1.



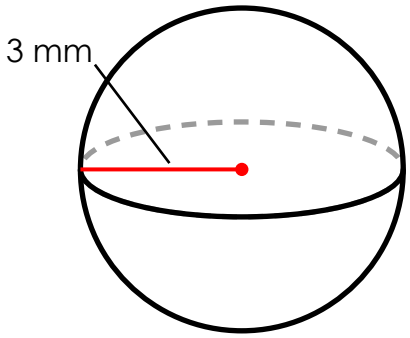
2.



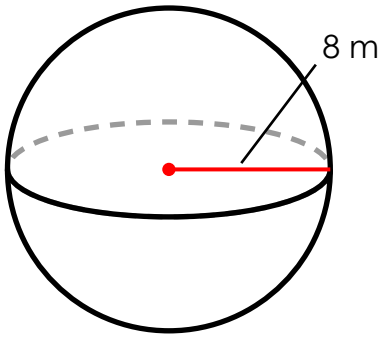
3.



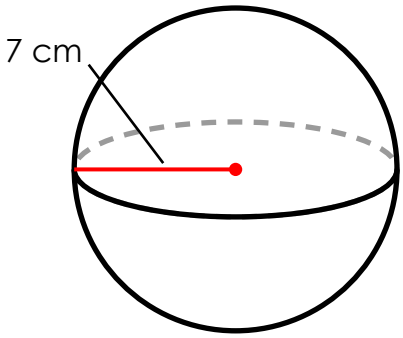
4.



5.

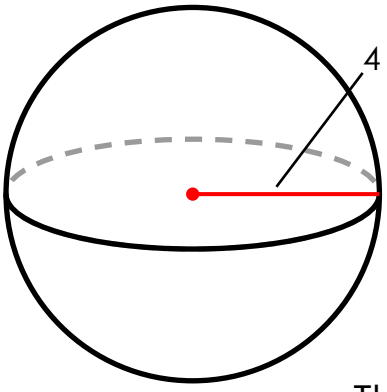


6.



ANSWER KEY

Volume of a Sphere



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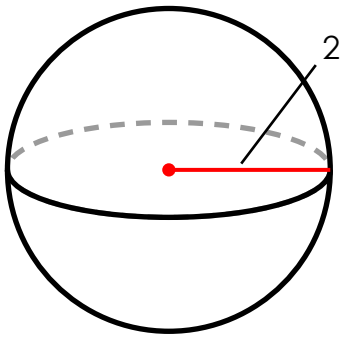
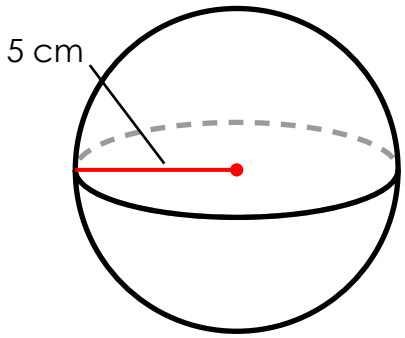
1.



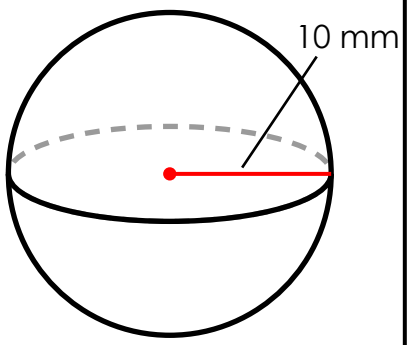
33.5 m³

2.



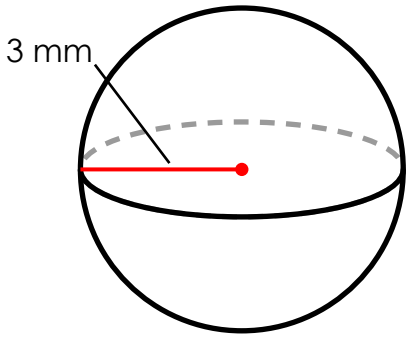
523.3 cm³

3.



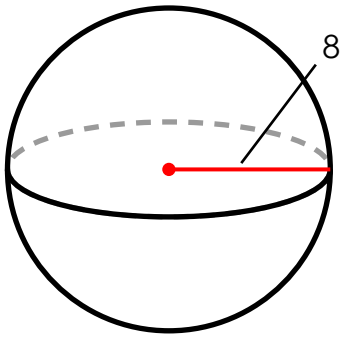
4,186.7 mm³

4.



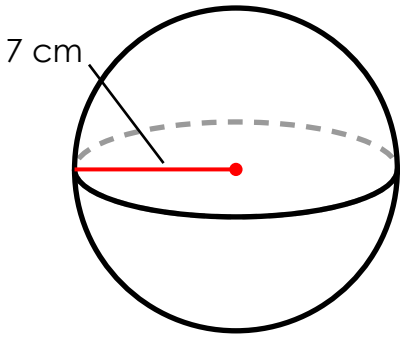
113 mm³

5.



2,143.6 m³

6.



1,436 cm³