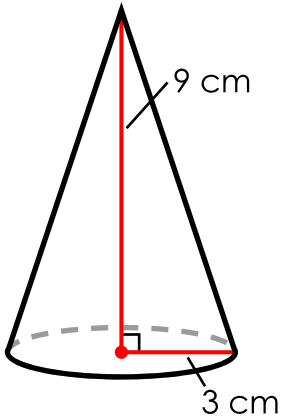


Name: _____

Volume of a Cone

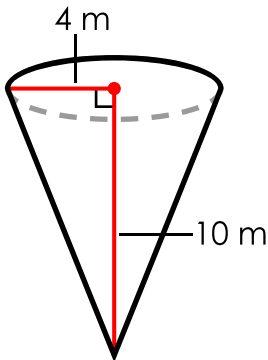


$$\begin{aligned}V &= \frac{1}{3} \pi r^2 h \\ &\approx \frac{1}{3} \cdot 3.14 \cdot 3^2 \cdot 9 \\ &\approx \frac{1}{3} \cdot 3.14 \cdot 9 \cdot 9 \\ &\approx 84.78\end{aligned}$$

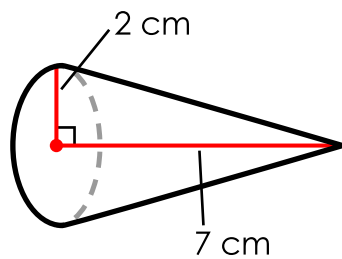
The volume of the cone is approximately 84.8 cm^3 .

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

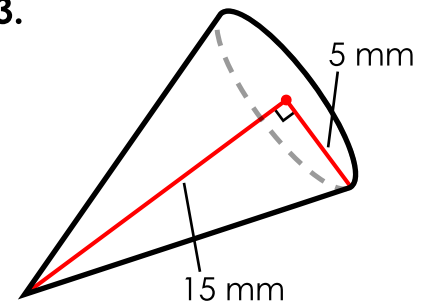
1.



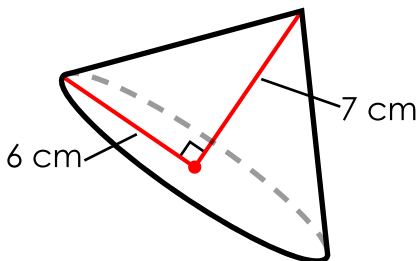
2.



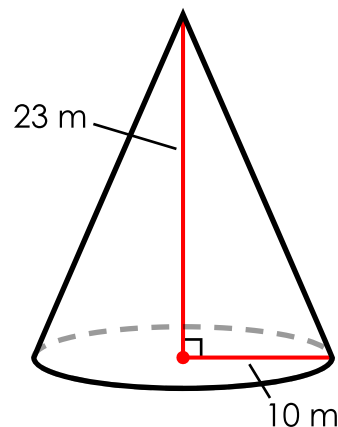
3.



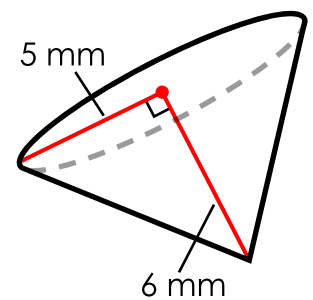
4.



5.

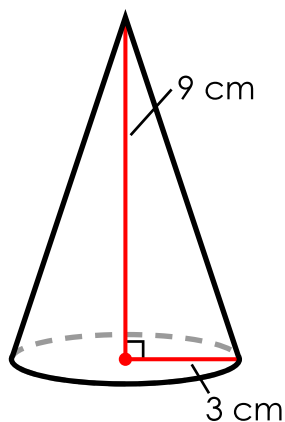


6.



ANSWER KEY

Volume of a Cone

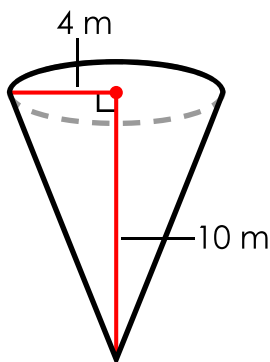


$$\begin{aligned}V &= \frac{1}{3} \pi r^2 h \\ &\approx \frac{1}{3} \cdot 3.14 \cdot 3^2 \cdot 9 \\ &\approx \frac{1}{3} \cdot 3.14 \cdot 9 \cdot 9 \\ &\approx 84.78\end{aligned}$$

The volume of the cone is approximately 84.8 cm³.

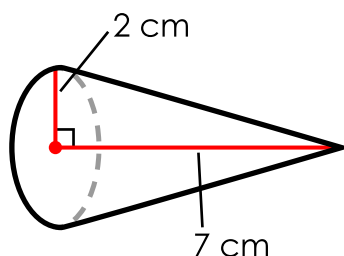
Find the volume of each cone. Use 3.14 for π . Round your answer to the nearest tenth.

1.



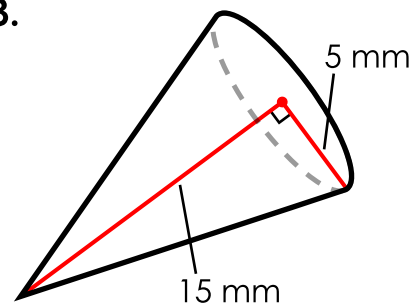
167.5 m³

2.



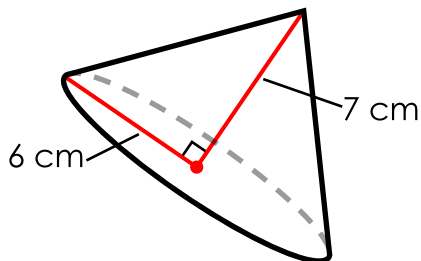
29.3 cm³

3.



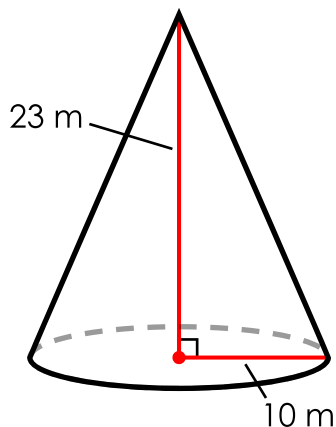
392.5 mm³

4.



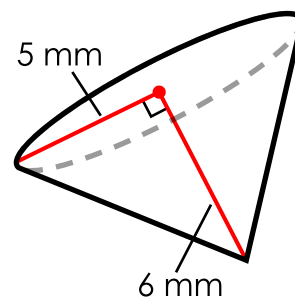
263.8 cm³

5.



2,407.3 m³

6.



157 mm³