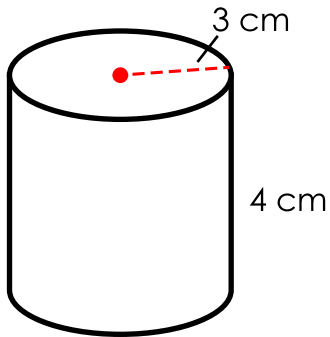


Name: _____

Volume of a Cylinder



A cylinder has a circular base. Use $A = \pi r^2$ to find the area of the base.

$$A \approx 3.14 \times 3^2$$

$$A \approx 3.14 \times 9$$

$$A \approx 28.26 \text{ cm}^2$$

The volume of the cylinder is equal to its base area times its height.

$$V \approx 28.26 \text{ cm}^2 \times 4 \text{ cm}$$

$$V \approx 113.04 \text{ cm}^3$$

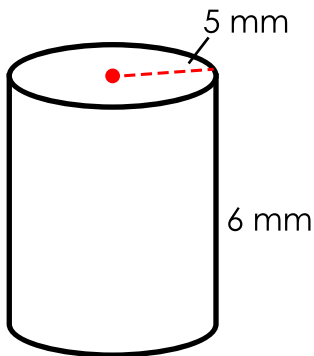
The formula for finding the volume of a cylinder can be expressed as:

Volume = pi \times radius squared \times height

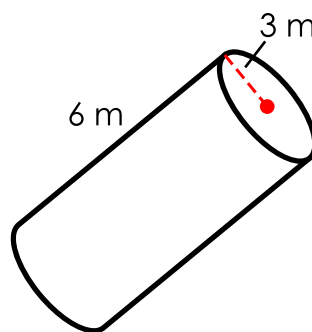
$$V = \pi r^2 h$$

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

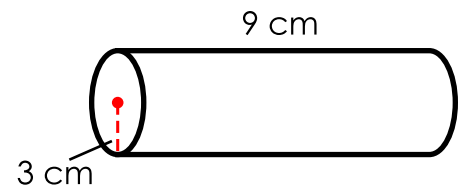
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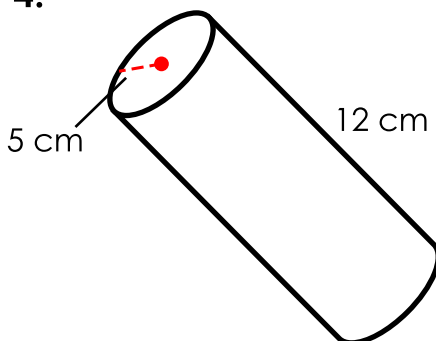
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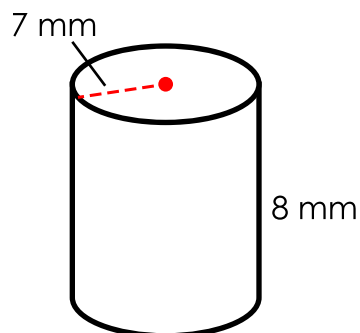
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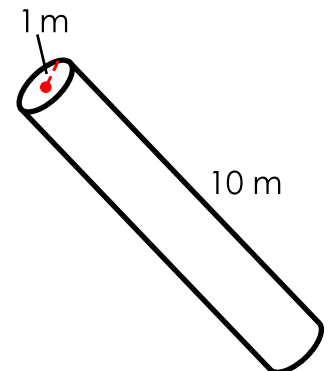
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5.

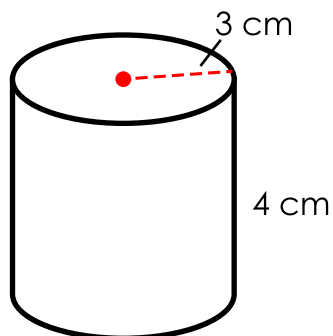


6.



ANSWER KEY

Volume of a Cylinder



A cylinder has a circular base. Use $A = \pi r^2$ to find the area of the base.

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The formula for finding the volume of a cylinder can be expressed as:

Volume = pi \times radius squared \times height

$$V = \pi r^2 h$$

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

