

Day 9: Volume - Cylinder Lesson

Finding volume: Plug into the formula:

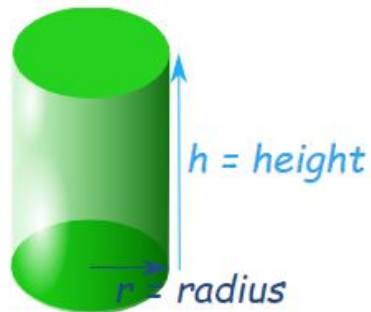
$$V = Bh$$

Note: The volume V of all prisms and cylinders is $V = Bh$ where B is the area of the base and h is the height of the prism or cylinder.

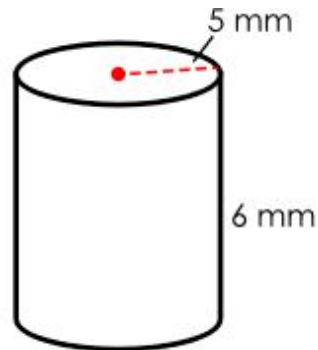
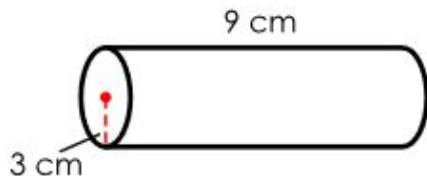
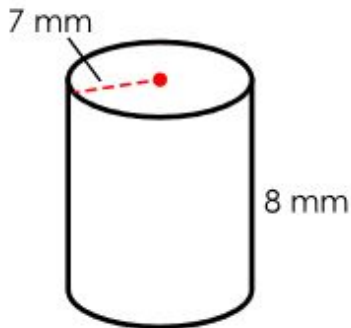
$$\text{Volume} = \pi \times r^2 \times h$$

Example: $h = 7$ and $r = 2$

$$\begin{aligned} \text{Volume} &= \pi \times r^2 \times h \\ &= \pi \times 2^2 \times 7 \\ &= 28\pi \\ &\approx 87.96 \end{aligned}$$



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



Lesson Extra
Practice Resources:

Online Activity:
[Math Expression
Extra Practice](#)

Video:
[Khan Academy
Volume of a
Cylinder](#)