

Day 10: Volume - Sphere Lesson

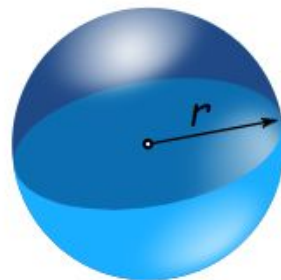
Finding volume: Plug into the formula:

$$V = \frac{4}{3}\pi r^3$$

$$\text{Volume} = \left(\frac{4}{3}\right) \times \pi \times r^3$$

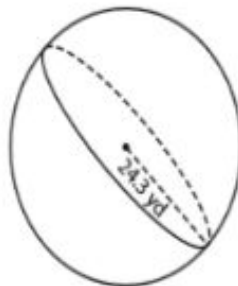
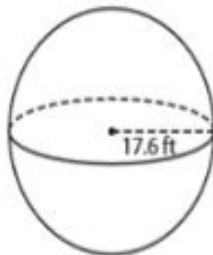
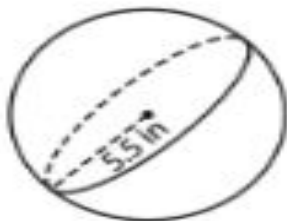
Example: $r = 5$

$$\begin{aligned} \text{Volume} &= \left(\frac{4}{3}\right) \times \pi \times r^3 \\ &= \left(\frac{4}{3}\right) \times \pi \times 5^3 \\ &= \left(\frac{4}{3}\right) \times \pi \times 125 \\ &\approx 524 \end{aligned}$$



Find the volume of each sphere. Round your answer to two decimal places.

(use $\pi = 3.14$)



Lesson Extra Practice Resources:

Online Activity:
[Math Extra Practice](#)

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