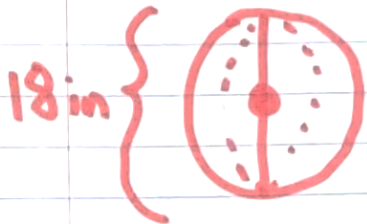


## Lesson 5.2-4 → Sphere Volume



$$\text{Volume} = \frac{4}{3} \pi r^3$$



What is Volume in cubic inches?

$$V = \frac{4}{3} \pi 9^3$$

In Red ← is what you type in calculator

$$V = \pi 4 \div 3 \times 9 \times 9 \times 9$$

$$V = 972 \pi$$

Now lets solve using 3.14 for pi

$$V = 972 \times 3.14$$

$$V = 3,052.08$$