

Volume

$$\text{diameter} = 20$$

$$\text{radius} = \frac{\text{diameter}}{2} = \frac{20}{2} = 10$$

$$\text{height} = 4$$

$$\text{volume} = \pi r^2 h$$

$$\text{Volume} = \pi \times 10^2 \times 4 = 1256.6$$

$$\text{Volume} = 1256.6 \text{ cm}^3$$