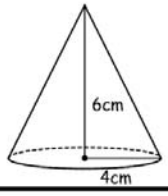
Name _____

Measures of Volume

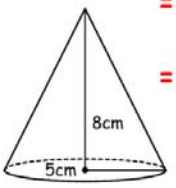
Find the volume of each cone. (use π = 3.14)
Round each answer to nearest tenth.



$$\text{Volume} = \frac{1}{3} \times \pi \times \text{radius}^2 \times \text{height}$$

$$= \frac{1}{3} \times 3.14 \times 4\text{cm} \times 4\text{cm} \times 6\text{cm}$$

$$= 100.5\ \text{cm}^3$$



$$\text{Volume} = \frac{1}{3} \times \pi \times \text{radius}^2 \times \text{height}$$

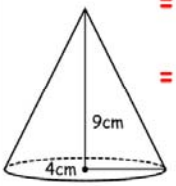
$$= \frac{1}{3} \times 3.14 \times 5\text{cm} \times 5\text{cm} \times 8\text{cm}$$

$$= 209.3\ \text{cm}^3$$

$$\text{Volume} = \frac{1}{3} \times \pi \times \text{radius}^2 \times \text{height}$$

$$= \frac{1}{3} \times 3.14 \times 3\text{cm} \times 3\text{cm} \times 7\text{cm}$$

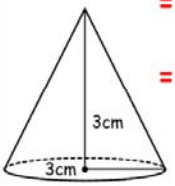
$$= 66\ \text{cm}^3$$



$$\text{Volume} = \frac{1}{3} \times \pi \times \text{radius}^2 \times \text{height}$$

$$= \frac{1}{3} \times 3.14 \times 4\text{cm} \times 4\text{cm} \times 9\text{cm}$$

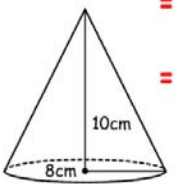
$$= 150.7\ \text{cm}^3$$



$$\text{Volume} = \frac{1}{3} \times \pi \times \text{radius}^2 \times \text{height}$$

$$= \frac{1}{3} \times 3.14 \times 3\text{cm} \times 3\text{cm} \times 3\text{cm}$$

$$= 28.2\ \text{cm}^3$$



$$\text{Volume} = \frac{1}{3} \times \pi \times \text{radius}^2 \times \text{height}$$

$$= \frac{1}{3} \times 3.14 \times 8\text{cm} \times 8\text{cm} \times 10\text{cm}$$

$$= 669.9\text{cm}^3$$

$$\text{Volume} = \frac{1}{3} \times \pi \times \text{radius}^2 \times \text{height}$$

$$= \frac{1}{3} \times 3.14 \times 6\text{cm} \times 6\text{cm} \times 13\text{cm}$$

$$= 489.8\ \text{cm}^3$$