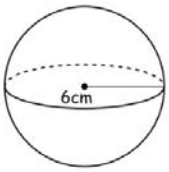
Name _____

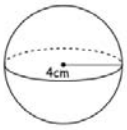
Measures of Volume

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



$$\text{Volume} = \frac{4}{3} \times \pi \times \text{radius}^3$$
$$= \frac{4}{3} \times 3.14 \times 6\text{cm} \times 6\text{cm} \times 6\text{cm}$$
$$= 904.3\ \text{cm}^3$$

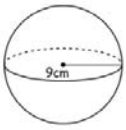
Volume = $\frac{4}{3} \times \pi \times \text{radius}^3$



= $\frac{4}{3}$ x 3.14 x 4cm x 4cm x 4cm

= 267.9 cm^3

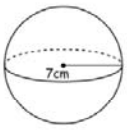
Volume = $\frac{4}{3} \times \pi \times \text{radius}^3$



= $\frac{4}{3}$ x 3.14 x 9cm x 9cm x 9cm

= 3052 cm^3

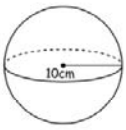
Volume = $\frac{4}{3} \times \pi \times \text{radius}^3$



= $\frac{4}{3}$ x 3.14 x 7cm x 7cm x 7cm

= 1436 cm^3

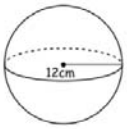
Volume = $\frac{4}{3} \times \pi \times \text{radius}^3$



= $\frac{4}{3}$ x 3.14 x 10cm x 10cm x 10cm

= 4186.7 cm^3

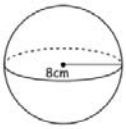
Volume = $\frac{4}{3} \times \pi \times \text{radius}^3$



= $\frac{4}{3}$ x 3.14 x 12cm x 12cm x 12cm

= 7234.6cm^3

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



= $\frac{4}{3}$ x 3.14 x 8cm x 8cm x 8cm

= 2143.6 cm^3