# Volume of Cones, Pyramids, and Spheres

Calculate the volume of each cone using the formula.

$$\text{Volume of a cone: } V = \frac{\pi \times r^2 \times h}{3}$$

h = 4 cm
r = 3 cm

$$V \approx \frac{3{,}14 \times \boxed{\phantom{0}}^2 \times \boxed{\phantom{0}}}{3}$$

$$V \approx \frac{\boxed{\phantom{00000}}}{3}$$

$$V \approx \boxed{\phantom{00000}} \text{ cm}^3$$

h = 3 cm
r = 2 cm

$$V \approx \frac{3{,}14 \times \boxed{\phantom{0}}^2 \times \boxed{\phantom{0}}}{3}$$

$$V \approx \frac{\boxed{\phantom{00000}}}{3}$$

$$V \approx \boxed{\phantom{00000}} \text{ cm}^3$$

h = 1 cm
r = 3 cm

$$V \approx \frac{3{,}14 \times \boxed{\phantom{0}}^2 \times \boxed{\phantom{0}}}{3}$$

$$V \approx \frac{\boxed{\phantom{00000}}}{3}$$

$$V \approx \boxed{\phantom{00000}} \text{ cm}^3$$

h = 6 cm
r = 2 cm

$$V \approx \frac{3{,}14 \times \boxed{\phantom{0}}^2 \times \boxed{\phantom{0}}}{3}$$

$$V \approx \frac{\boxed{\phantom{00000}}}{3}$$

$$V \approx \boxed{\phantom{00000}} \text{ cm}^3$$