



# Volume of Cones, Pyramids, and Spheres

Calculate the volume of each pyramid using the formula.

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

$h = 9 \text{ cm}$



$L = 9 \text{ cm}$     $\ell = 9 \text{ cm}$

$$V \approx \frac{\square^2 \times \square}{3}$$

$$V \approx \frac{\square}{3}$$

$$V \approx \square \text{ cm}^3$$

$h = 9 \text{ cm}$



$L = 4 \text{ cm}$     $\ell = 4 \text{ cm}$

$$V \approx \frac{\square^2 \times \square}{3}$$

$$V \approx \frac{\square}{3}$$

$$V \approx \square \text{ cm}^3$$

$h = 5 \text{ cm}$



$L = 9 \text{ cm}$     $\ell = 9 \text{ cm}$

$$V \approx \frac{\square^2 \times \square}{3}$$

$$V \approx \frac{\square}{3}$$

$$V \approx \square \text{ cm}^3$$

$h = 3 \text{ cm}$



$L = 2 \text{ cm}$     $\ell = 2 \text{ cm}$

$$V \approx \frac{\square^2 \times \square}{3}$$

$$V \approx \frac{\square}{3}$$

$$V \approx \square \text{ cm}^3$$