

ANSWERS

VOLUME OF MIXED PYRAMIDS

Instructions Find the volume of a pyramid using the formula and write the result: $V = \frac{1}{3} b^2 h$

1. Find the volume of a pyramid with a square base of 4 cm and a height of 12 cm:

$$V = \frac{1}{3} b^2 h$$
$$\underline{64\text{cm}^3} = \frac{1}{3} (4)^2 (12)$$

2. Find the volume of a pyramid with a square base of 3 cm and a height of 9 cm:

$$V = \frac{1}{3} b^2 h$$
$$\underline{27\text{cm}^3} = \frac{1}{3} (3)^2 (9)$$

3. Find the volume of a pyramid with a square base of 2 cm and a height of 5 cm:

$$V = \frac{1}{3} b^2 h$$
$$\underline{6.66\text{cm}^3} = \frac{1}{3} (2)^2 (5)$$

4. Find the volume of a pyramid with a square base of 3 cm and a height of 7 cm:

$$V = \frac{1}{3} b^2 h$$
$$\underline{21\text{cm}^3} = \frac{1}{3} (3)^2 (7)$$

5. Find the volume of a pyramid with a square base of 11 cm and a height of 13 cm:

$$V = \frac{1}{3} b^2 h$$
$$\underline{524.3\text{cm}^3} = \frac{1}{3} (11)^2 (13)$$

How Did You Do? 😊 😐 😞