

## 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 5 cm and a height of 22 cm:

$$V = \frac{1}{3} b^2 h$$
$$\underline{183.3\text{cm}^3} = \frac{1}{3} (5)^2 (22)$$

2. Find the volume of a pyramid with a square base of 4 cm and a height of 18 cm:

$$V = \frac{1}{3} b^2 h$$
$$\underline{96\text{cm}^3} = \frac{1}{3} (4)^2 (18)$$

3. Find the volume of a pyramid with a square base of 6 cm and a height of 17 cm:

$$V = \frac{1}{3} b^2 h$$
$$\underline{204\text{cm}^3} = \frac{1}{3} (6)^2 (17)$$

4. Find the volume of a pyramid with a square base of 2 cm and a height of 14 cm:

$$V = \frac{1}{3} b^2 h$$
$$\underline{18.6\text{cm}^3} = \frac{1}{3} (2)^2 (14)$$

5. Find the volume of a pyramid with a square base of 8 cm and a height of 20 cm:

$$V = \frac{1}{3} b^2 h$$
$$\underline{426.6\text{cm}^3} = \frac{1}{3} (8)^2 (20)$$

How Did You Do? 😊 😐 😞