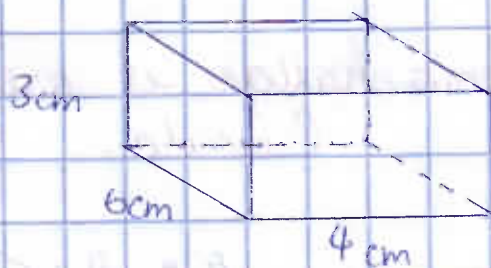


Volumen

Es el espacio ocupado por un cuerpo.



Formula:

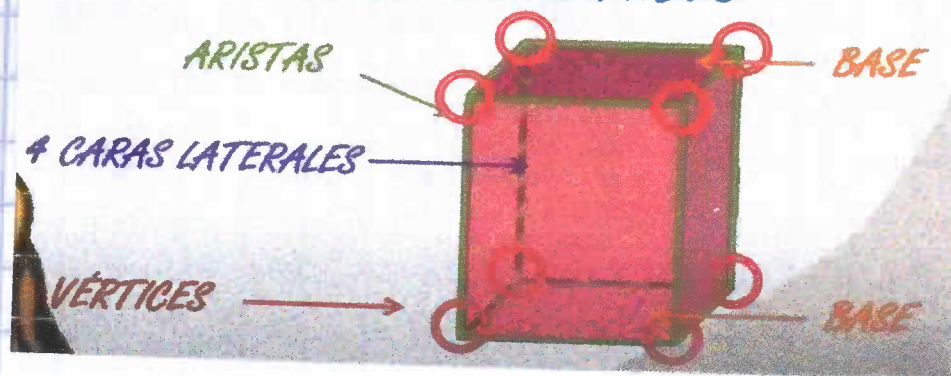
$$A = 6 \times 4 = 24 \text{ cm}^2$$

$$V = A_{\text{base}} \times a$$

$$V = 24 \times 3 = 72 \text{ cm}^3$$

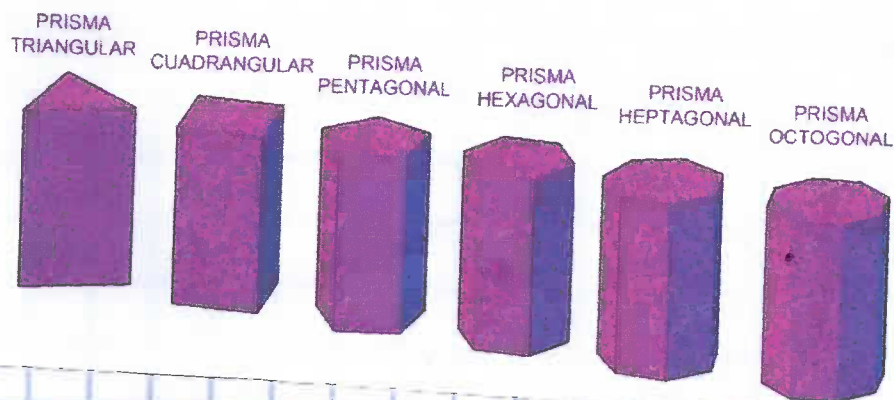
¿Qué son los prismas?

PRISMAS Y PIRÁMIDES

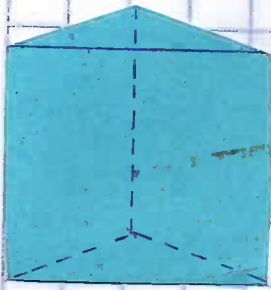


Prismas:

Un prisma por su número de lados puede ser.



Prisma Triangular



$$b = 4 \text{ cm}$$

$$hc = 8 \text{ cm}$$

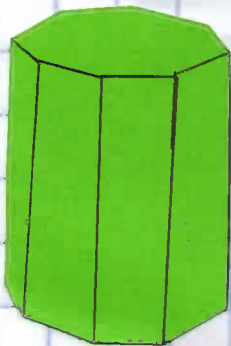
$$h = 3 \text{ cm}$$

$$A = 3 \times 4 = 12 \text{ cm}^2$$

$$V = A_{\text{base}} \times hc =$$

$$V = 12 \times 8 = 96 \text{ cm}^3$$

Prisma Octagonal



$$hc = 9 \text{ cm}$$

$$A = 2 \times 5 = 10 \text{ cm}^2$$

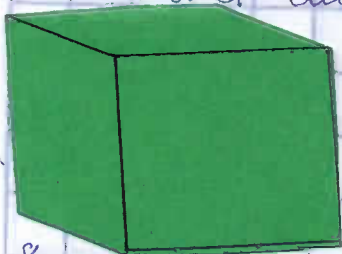
$$V = A_{\text{base}} \times hc$$

$$V = 10 \times 9 = 90 \text{ cm}^3$$

$$A = 5 \text{ cm}$$

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

Prisma Cadrangular



$$hc = 8 \text{ cm}$$

$$h = 8 \text{ cm}$$

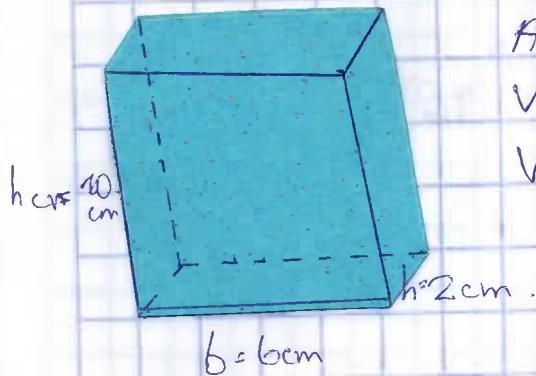
$$b = 8 \text{ cm}$$

$$A = 8 \times 8 = 64 \text{ cm}^2$$

$$V = A_{\text{base}} \times hc$$

$$V = 64 \times 8 = 512 \text{ cm}^3$$

Prisma Quadrangular

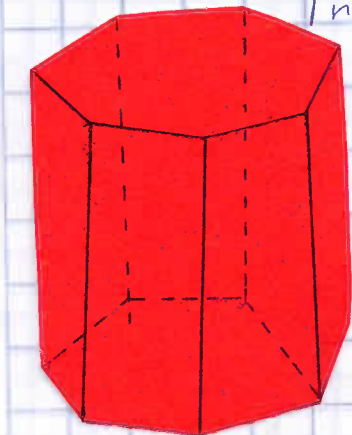


$$A = b \times 2 = 12 \text{ cm}^2$$

$$V = A_{\text{base}} \times h$$

$$V = 12 \times 10 = 120 \text{ cm}^3$$

Prisma Heptagonal



$$h = 12 \text{ cm.} \quad A = 3 \times b = 18 \text{ cm}^2$$

$$V = A_{\text{base}} \times h$$

$$V = 18 \times 12 = 216 \text{ cm}^3$$

$$b = 3 \text{ cm}$$