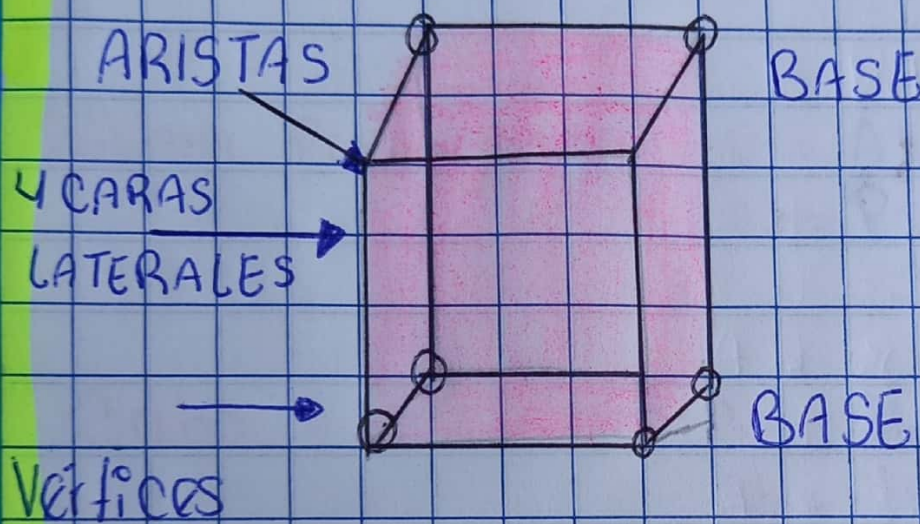


Volumen

Espacio ocupado por un cuerpo.

¿Qué son las prismas?

PRISMAS Y PIRÁMIDES



PRISMAS

un Prisma por su número de lados queda ser

PRISMA
TRIANGULAR



PRISMA
CUADRANGULAR



PRISMA
PENTAGONAL



PRISMA
HEXAGONAL



PRISMA
HEPTAGONAL



PRISMA
OCTOGONAL





Formulas

$$\text{Prisma rectangular.} = V = A_b \times h_c$$
$$A_b = l \times l$$

$$\text{Prisma triangular} = V = A_b \times h_c$$
$$A_b = \frac{b \times h}{2}$$

P.

$$\text{Prisma pentagonal} = V = A_b \times h_c$$
$$A_b = \frac{P \times a}{2}$$

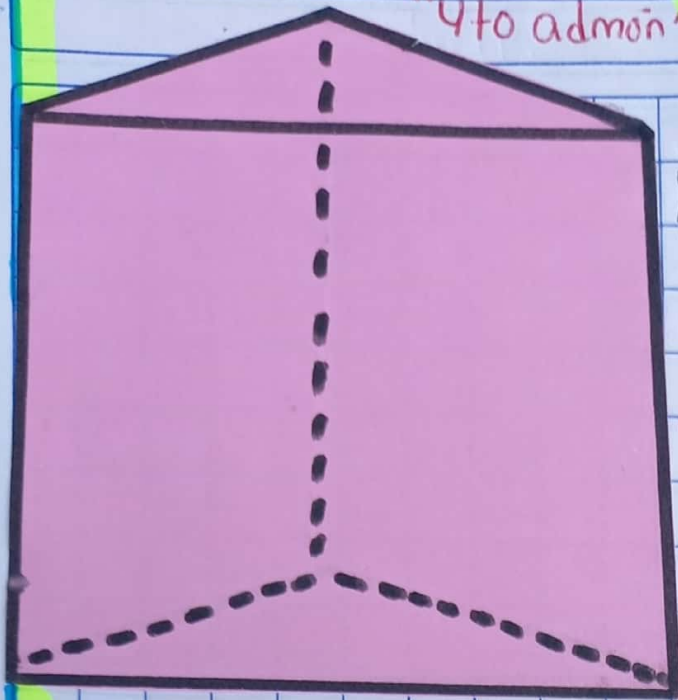
$$\text{Cubo} = V = A_b \times h_c$$
$$A_b = l \times l$$

Wandy Velásquez Soto

"4to admón"

"4to admón"

ACT 6



Prisma triangular

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

$$A_b = 4 \times 3 \div 2$$

$$A_b = 6 \text{ cm}^2$$

$$V = 6 \times 8$$

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

$$V = 48 \text{ cm}^3$$

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

Prisma octogonal

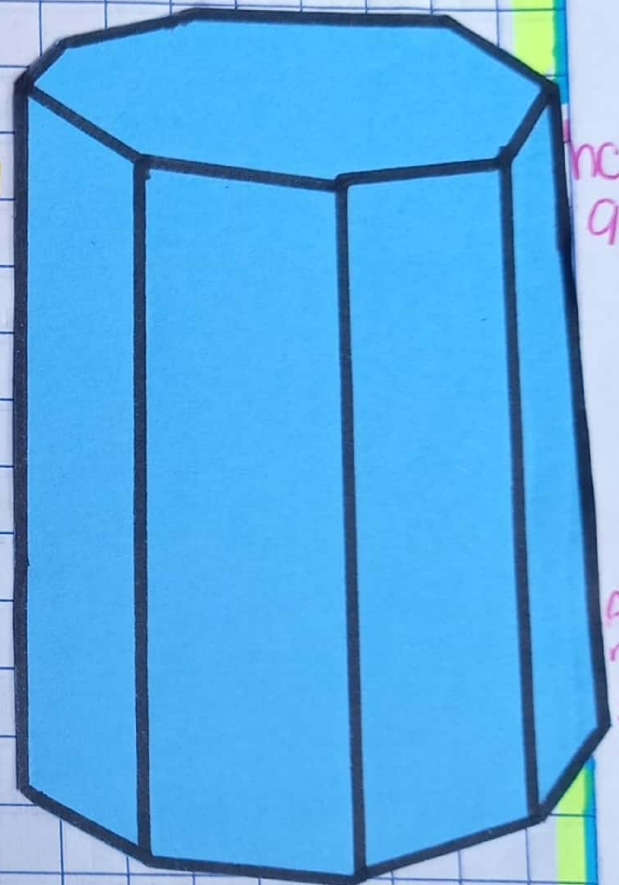
$$A_b = \frac{16 \times 5}{2}$$

$$A_b = 40 \text{ cm}^2$$

$$V = 40 \times 9$$

$$V = 360 \text{ cm}^3$$

Cubo



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

$$A_{pol} = 50 \text{ cm}^2$$

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

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

$$A_b = 8 \times 8$$

$$A_b = 64 \text{ cm}^2$$

$$V = 64 \times 8$$

$$V = 512 \text{ cm}^3$$

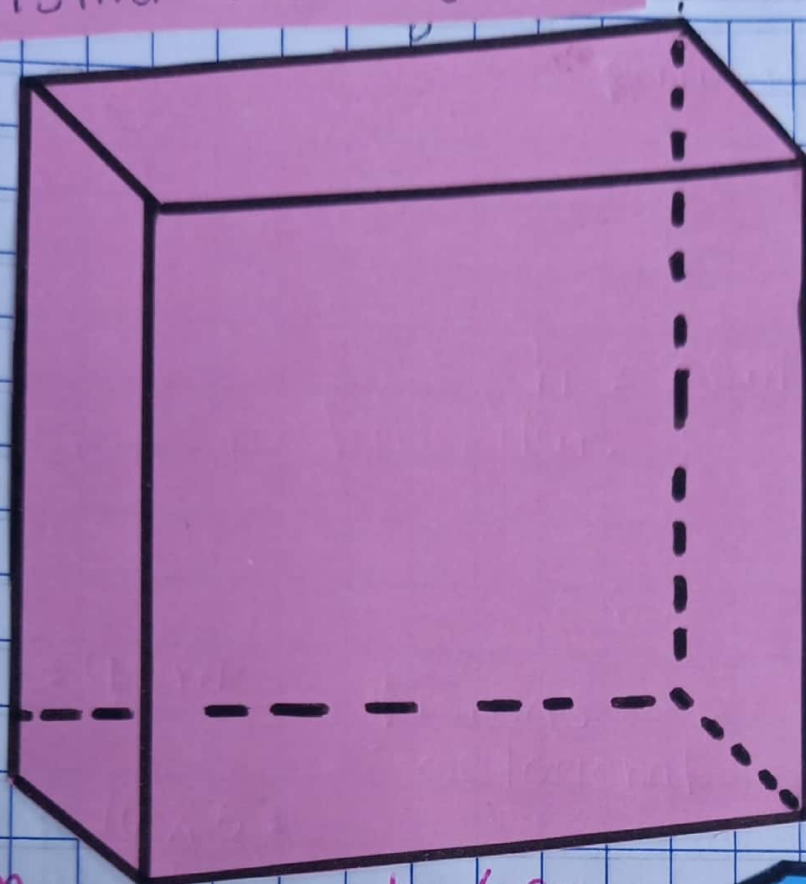
$$h = 8 \text{ cm}$$

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

Wendy Velásquez solo

"y to admón"

Prisma rectangular.



$$Ab = 6 \times 2$$

$$Ab = 12 \text{ cm}^2$$

$$V = 12 \times 10$$

$$h = 10 \text{ cm}$$

$$V = 120 \text{ cm}^3$$

$$h = 10 \text{ cm}$$

$$b = 6 \text{ cm}$$

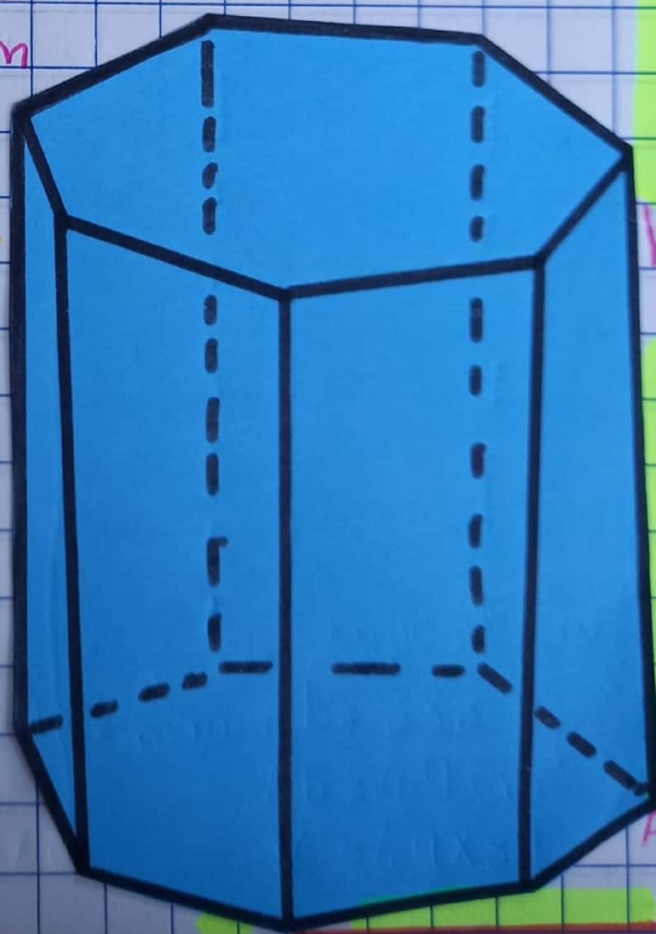
Prisma
Heptagonal

$$Ab = \frac{21 \times 6}{2}$$

$$Ab = 63 \text{ cm}^2$$

$$V = 63 \times 12$$

$$V = 756 \text{ cm}^3$$



$$h = 12 \text{ cm}$$

$$\text{Apotema} = 6 \text{ cm}$$

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