

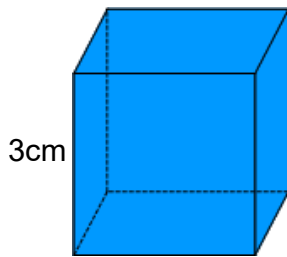
SURFACE AREA - Lateral Area: Area of the sides, excluding bases

Total Area: Area of all surface; sides and bases

CUBE

$$A_L = 4s^2$$

$$A_T = 6s^2$$



$$A_L = 4(3)^2 = 4(9) = 36 \text{ cm}^2$$

$$A_T = 6(3)^2 = 6(9) = 54 \text{ cm}^2$$

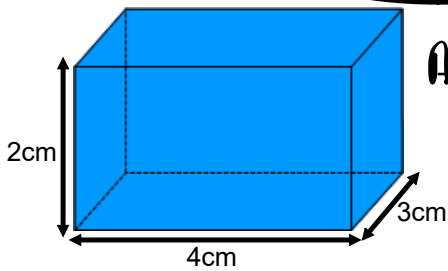
PRISM

Lateral Area

$$A_L = P_b \times H$$

Total Area

$$A_T = 2A_b + A_L$$



$$A_L = 14(2) = 28 \text{ cm}^2$$

$$A_T = 2(12) + 28 = 24 + 28 = 52 \text{ cm}^2$$

$$P_b = 2(4) + 2(3) = 8 + 6 = 14$$

$$A_b = 4(3) = 12$$

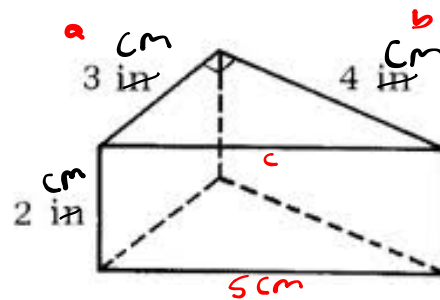
$$A_L = P_b \cdot h$$

$$= (3+4+5)(2)$$

$$= 12(2)$$

$$= 24 \text{ cm}^2$$

$$\begin{aligned} A_T &= 2A_b + A_L \\ &= 2(3)(4) + 24 \\ &= 2(12) + 24 \\ &= 24 + 24 \\ &= 48 \text{ cm}^2 \end{aligned}$$



$$a^2 + b^2 = c^2$$

$$3^2 + 4^2 = c^2$$

$$9 + 16 = c^2$$

$$\sqrt{25} = \sqrt{c^2}$$

$$5 = c$$