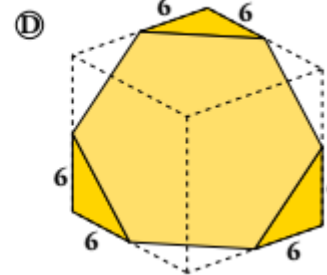
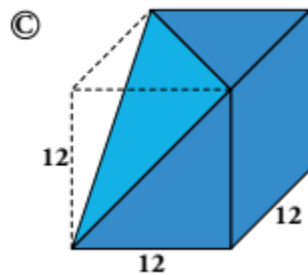
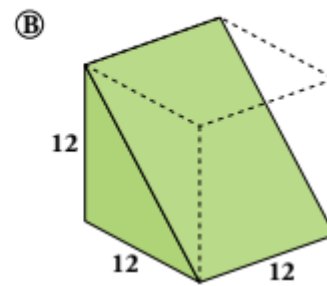
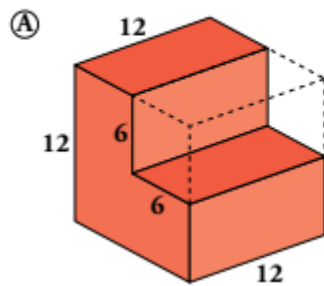


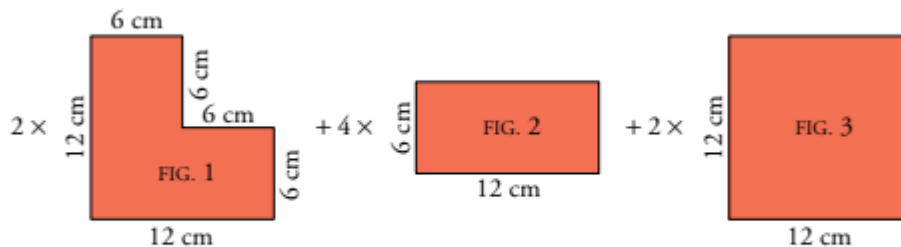
TEMA 10: CUERPOS GEOMÉTRICOS: Poliedros

1.

Calcula el área de estos poliedros obtenidos a partir de un cubo de 12 cm de arista:



Ⓐ Si hacemos el desarrollo de la figura, queda:



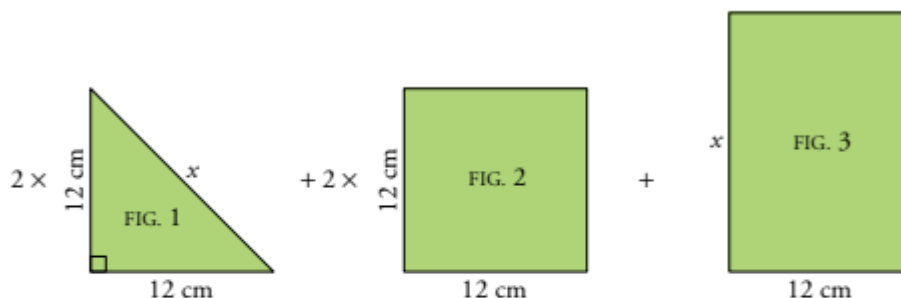
$$A_{\text{FIG. 1}} = 12 \cdot 6 + 6 \cdot 6 = 108 \text{ cm}^2$$

$$A_{\text{FIG. 2}} = 12 \cdot 6 = 72 \text{ cm}^2$$

$$A_{\text{FIG. 3}} = 12^2 = 144 \text{ cm}^2$$

$$A_{\text{TOTAL}} = 2 \cdot 108 + 4 \cdot 72 + 2 \cdot 144 = 792 \text{ cm}^2$$

Ⓑ Si hacemos el desarrollo de la figura, queda:



$$x = \sqrt{12^2 + 12^2} \approx 16,97 \text{ cm}$$

$$A_{\text{FIG. 1}} = \frac{12^2}{2} = 72 \text{ cm}^2$$

$$A_{\text{FIG. 2}} = 12^2 = 144 \text{ cm}^2$$

$$A_{\text{FIG. 3}} = 12 \cdot 16,97 = 203,64 \text{ cm}^2$$

$$A_{\text{TOTAL}} = 2 \cdot 72 + 2 \cdot 144 + 203,64 = 635,64 \text{ cm}^2$$