

**FLPp208**

1.  $A_{\text{totale}} = (12 + 8 + 6 + 10) \cdot 30 + \frac{(12 + 6) \cdot 8}{2} \cdot 2 = 1224 \text{ cm}^2$

$$V = \frac{(12 + 6) \cdot 8}{2} \cdot 30 = 2160 \text{ cm}^3$$

2.  $A_{\text{totale}} = 2\pi \cdot 3 \cdot 12 + \pi \cdot 3^2 \cdot 2 \cong 282,74 \text{ cm}^2$

$$V = \pi \cdot 3^2 \cdot 12 \cong 339,29 \text{ cm}^3$$

3. 75 000 litres = 75 m<sup>3</sup>

$$V = A_{\text{base}} \cdot \text{profondeur}$$

$$75 = 10 \cdot 3 \cdot \text{profondeur}$$

$$\text{profondeur} = \frac{75}{30} = 2,5 \text{ m}$$

4. 30 000 litres = 30 m<sup>3</sup>

$$V = A_{\text{base}} \cdot \text{profondeur}$$

$$30 = \pi \cdot 10^2 \cdot \text{profondeur}$$

$$\text{profondeur} = \frac{30}{100\pi} \cong 0,0955 \text{ m} = 9,55 \text{ cm}$$