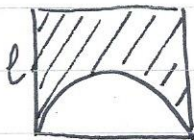


N° 75

DATI

$$d = l$$

$$P_Q = 96 \text{ cm}$$



(nota: d è una semicirconf.)

RICHIESTA

$$P_{\text{figura}} = ?$$



$$l + l + l + \frac{1}{2}C \quad l_Q = P_Q = 4$$

$$C = 2r \cdot \pi \rightarrow \frac{1}{2}C = r \cdot \pi$$

SVOLGIMENTO

$$l = 96 : 4 = 24 \text{ cm}$$

$$r = d : 2 = 24 : 2 = 12 \text{ cm}$$

$$\frac{1}{2}C = 12 \cdot \pi = 12 \cdot 3,14 = 37,68 \text{ cm}$$

$$P_{\text{figura}} = 24 \cdot 3 + 37,68 = 72 + 37,68 = 109,68 \text{ cm}$$

N° 77

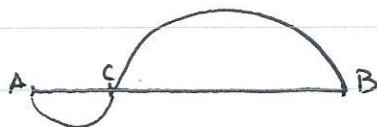
DATI

$$AB = 56 \text{ cm}$$

$$d_1 < d_2$$

$$d_1 = \frac{1}{3} d_2$$

(nota: sono semicirconferenze)



RICHIESTA

$$P_{\text{figura}} = ?$$

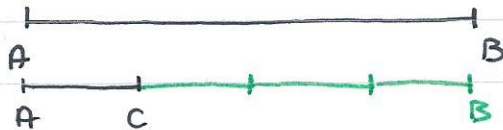
$$AB + \frac{1}{2}C_1 + \frac{1}{2}C_2$$

$$C = 2r \cdot \pi = d \cdot \pi$$

SVOLGIMENTO

$$AB = AC + CB_1$$

$$AC = \frac{1}{3} CB$$



SONO 4 PARTI UGUALI

$$56 : 4 = 14 \text{ cm} \quad AC \quad d_1$$

$$14 \cdot \pi = 14 \cdot 3,14 = 43,96 \text{ cm} \quad C_1 \rightarrow 43,96 : 2 = 21,98 \text{ cm} \quad \frac{1}{2}C_1$$

$$14 \cdot 3 = 42 \text{ cm} \quad CB \quad d_2$$

$$42 \cdot \pi = 42 \cdot 3,14 = 131,88 \text{ cm} \quad C_2 \rightarrow 131,88 : 2 = 65,94 \text{ cm} \quad \frac{1}{2}C_2$$

$$65,94 + 21,98 + 56 = 143,92 \text{ cm} \quad P_{\text{figura}}$$