

N° 226

DATI

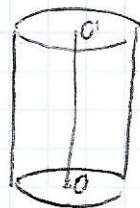
$$2p = 113,04 \text{ cm}$$

l cilindro =  $\frac{2}{9}$  diametro

RICIESTA

$$S_{\text{tot}} = ? \quad V = ?$$

$$= S_{\text{tot}} = 2p_{\text{base}} \cdot h_{\text{cilindro}} + 2 \cdot A_{\text{base}}$$



nota = la  
figura non è  
in proporzione

$$\downarrow$$
$$\pi r^2$$

DATO da  
trovare

$r =$  si trova dal perimetro

$$2p = 2\pi r \rightarrow r = \frac{2p}{2\pi}$$

$$= V = A_{\text{base}} \cdot h_{\text{cilindro}}$$

SVOLGIMENTO

$$r = \frac{113,04}{2 \cdot 3,14} = 18 \text{ cm}$$

$$l_{\text{cilindro}} = \frac{2}{9} \cdot (18 \cdot 2) = \frac{2}{9} \cdot 36 = 8 \text{ cm}$$

$$V = 18^2 \pi \cdot 8 = 2592 \pi \text{ cm}^3 = 8138,88 \text{ cm}^3$$

$$S_{\text{tot}} = 113,04 \cdot 8 + 2 \cdot 18^2 \pi = 904,32 + 2034,72 = 2939,04 \text{ cm}^2$$