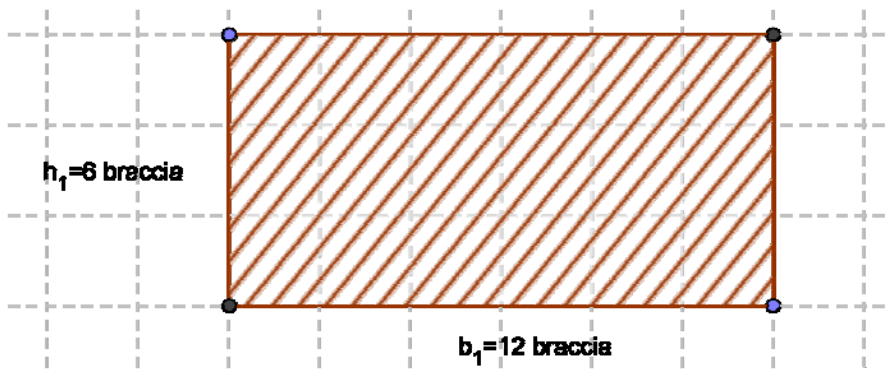


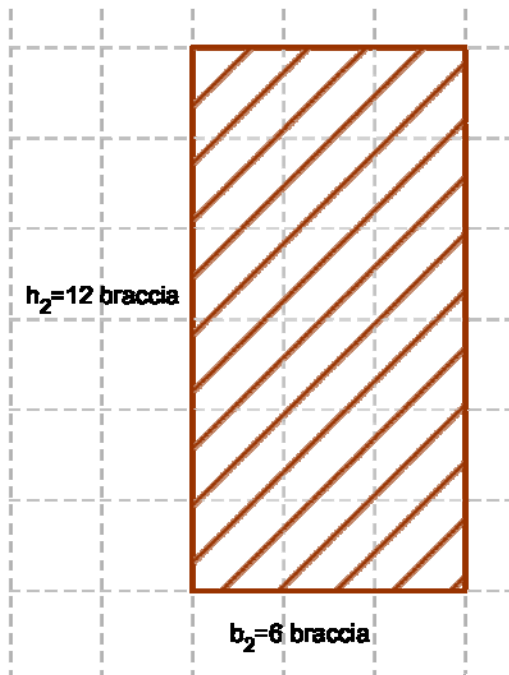
Soluzione



$$b_1 = 2\pi r_1 = 12$$

$$r_1 = \frac{6}{\pi}$$

$$V_1 = \pi \cdot r_1^2 \cdot h_1 = \pi \cdot \frac{36}{\pi^2} \cdot 6 = \frac{216}{\pi}$$



$$b_2 = 2\pi r_2 = 6$$

$$r_2 = \frac{3}{\pi}$$

$$V_2 = \pi \cdot r_2^2 \cdot h_2 = \pi \cdot \frac{9}{\pi^2} \cdot 12 = \frac{108}{\pi}$$

$$\frac{V_1}{V_2} = \frac{\frac{216}{\pi}}{\frac{108}{\pi}} = 2$$