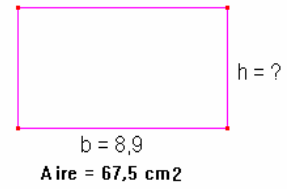
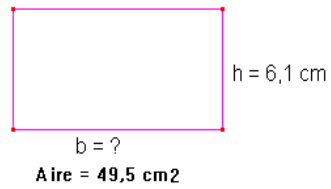
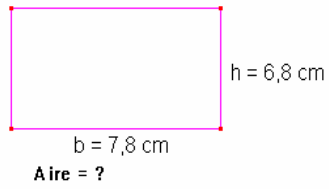
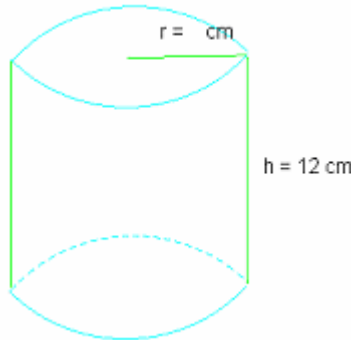


Exercices sur les valeurs manquantes

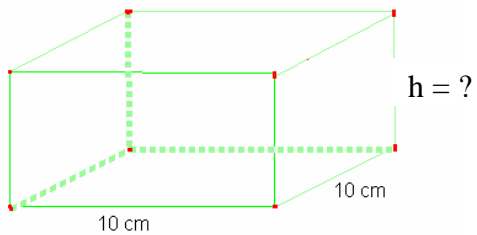
1. L'aire d'un rectangle est $A = b \times h$



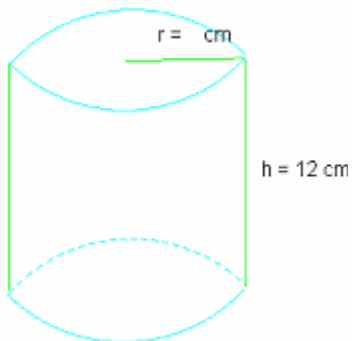
2. Le volume de ce cylindre est de $942,48 \text{ cm}^3$. Quel est son rayon?



3. Le volume de ce prisme est de 700 cm^3 . Quelle est sa hauteur?



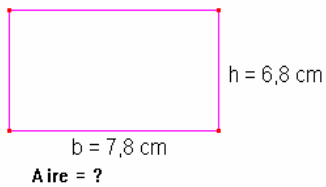
4. La circonférence de ce cylindre est de $37,6991 \text{ cm}$. Quel est son volume ?



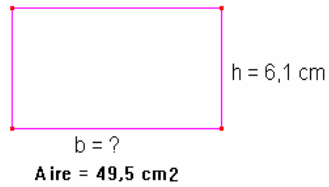
Exercices sur les valeurs manquantes

Solutionnaire

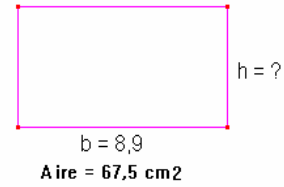
1- L'aire d'un rectangle est $A = b \times h$



$$A = b \times h$$
$$A = 53,04 \text{ cm}^2$$



$$A = b \times h$$
$$49,5 = b \times 6,1$$
$$b = 8,11 \text{ cm}$$



$$A = b \times h$$
$$67,5 = 8,9 \times h$$
$$h = 7,58 \text{ cm}$$

2- $V = \text{AireBase} \times h$

$$942,48 = \pi r^2 \times 12$$

Il faut isoler le rayon

$$\frac{942,48}{12} = \pi r^2 \rightarrow 78,54 = \pi r^2$$

$$\frac{78,54}{\pi} = r^2 \rightarrow 25 = r^2$$

$$r^2 = 25 \rightarrow r = \sqrt{25}$$

$$r = 5$$

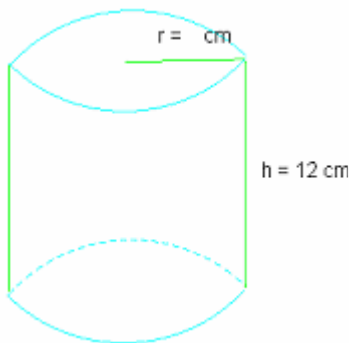
3- $V = \text{AireBase} \times h$

$$700 = 10 \times 10 \times h$$

$$700 = 100 \times h$$

$$\frac{700}{100} = h \rightarrow h = 7$$

4. La circonférence de ce cylindre est de 37,6991 cm. Quel est son volume ?



Trouvons le rayon

$$C = 2\pi r$$

$$37,6991 = 2\pi r$$

$$r = 6 \text{ cm}$$

$$V = \text{AireBase} \times h$$

$$V = \pi r^2 \times h$$

$$V = \pi(6)^2 \times 12$$

$$V = 1\,359,03 \text{ cm}^3$$