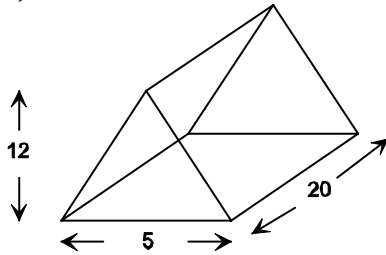


Série 11 : Volumes

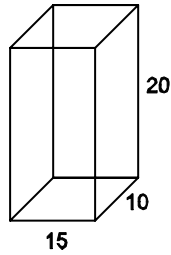
Exercice 1

Calculer le volume des corps suivants.

1)



2)

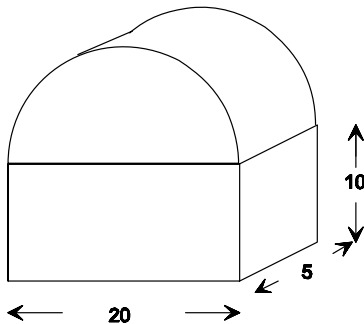


unité: cm

Exercice 2

Calculer le volume du corps suivant:

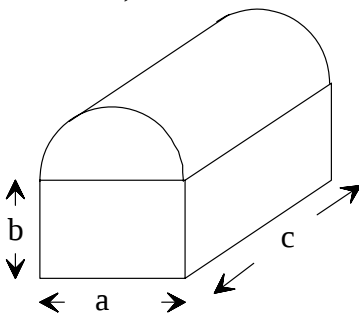
unité: dm



Exercice 3

Calculer le volume du corps suivant après avoir hachuré une base de ce corps et sachant que:

$a = 4 \text{ m}$, $b = 5 \text{ m}$ et $c = 1000 \text{ m}$ et $\pi = 3,14$.



Exercice 4

Transformer les unités suivantes :

a) $3 \text{ m}^3 = \dots\dots\dots \text{cm}^3$

b) $30000 \text{ mm}^3 = 0,03 \dots\dots\dots$

c) $0,03 \text{ hm}^3 = \dots\dots\dots \text{dm}^3$

d) $0,03 \text{ km}^3 = \dots\dots\dots \text{m}^3$

e) $5 \text{ cm}^3 = \dots\dots\dots \text{dm}^3$

f) $0,205 \text{ dam}^3 = \dots\dots\dots \text{cm}^3$

g) $20 \text{ m}^3 = \dots\dots\dots \text{cm}^3$

h) $3,6 \text{ hm}^3 = \dots\dots\dots \text{m}^3$

i) $12 \text{ dm}^3 = \dots\dots\dots \text{dam}^3$

j) $3,6 \text{ m}^3 = \dots\dots\dots \text{cm}^3$

Solutions :

Ex 1: 1) 600 cm^3 ; 2) $3'000 \text{ cm}^3$

Ex 2: $V = 785 + 1000 = 1785 \text{ dm}^3$

Ex 3: $V = 26'280 \text{ m}^3$

Ex 4 : a) $3'000'000 \text{ cm}^3$; f) $205'000'000 \text{ cm}^3$

b) $0,03 \text{ dm}^3$ g) $20'000'000 \text{ cm}^3$

c) $30'000'000 \text{ cm}^3$ h) $3'600'000 \text{ m}^3$

d) $30'000'000 \text{ m}^3$ i) $0,000'012 \text{ dam}^3$

e) $0,005 \text{ dm}^3$ j) $3'600'000 \text{ cm}^3$