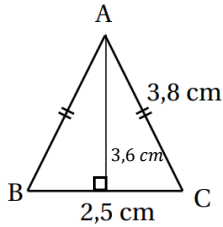


Périmètre / Aire / Volume

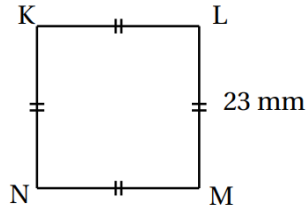
Exercice 1

Calculer le périmètre de chacune des figures suivantes en tenant compte des dimensions indiquées.

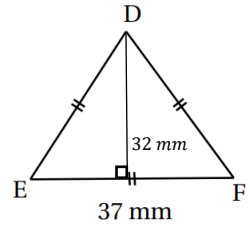
a/



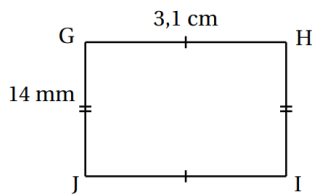
b/



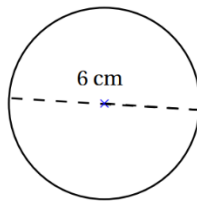
c/



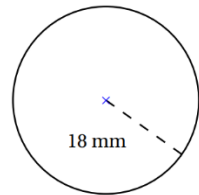
d/



e/



f/



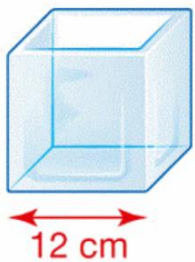
Exercice 2

Déterminer l'aire des figures de l'exercice 1

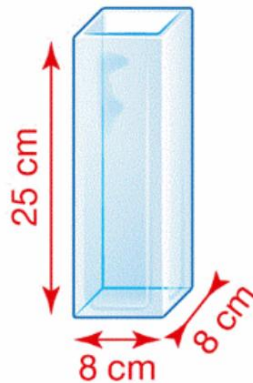
Exercice 3

Déterminer le volume des deux vases suivants

Un vase A
cubique

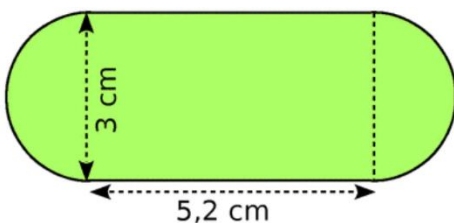


Un vase B en forme
de pavé droit



Exercice 4

Déterminer le périmètre et l'aire de la figure suivante



Exercice 5

Convertir dans l'unité demandée.

a/ Longueur

- a/ $15 \text{ dam} = \dots\dots\dots \text{ m}$ b/ $2,638 \text{ m} = \dots\dots\dots \text{ cm}$
c/ $12 \text{ km} = \dots\dots\dots \text{ dam}$ d/ $813 \text{ dm} = \dots\dots\dots \text{ dam}$
e/ $1,576 \text{ m} = \dots\dots\dots \text{ hm}$ f/ $1,2 \text{ mm} = \dots\dots\dots \text{ dm}$
g/ $9,3 \text{ km} = \dots\dots\dots \text{ dm}$ h/ $3,94 \text{ dam} = \dots\dots\dots \text{ cm}$
i/ $1\,234 \text{ mm} = \dots\dots\dots \text{ m}$ j/ $9\,500 \text{ m} = \dots\dots\dots \text{ km}$

b/ Aire

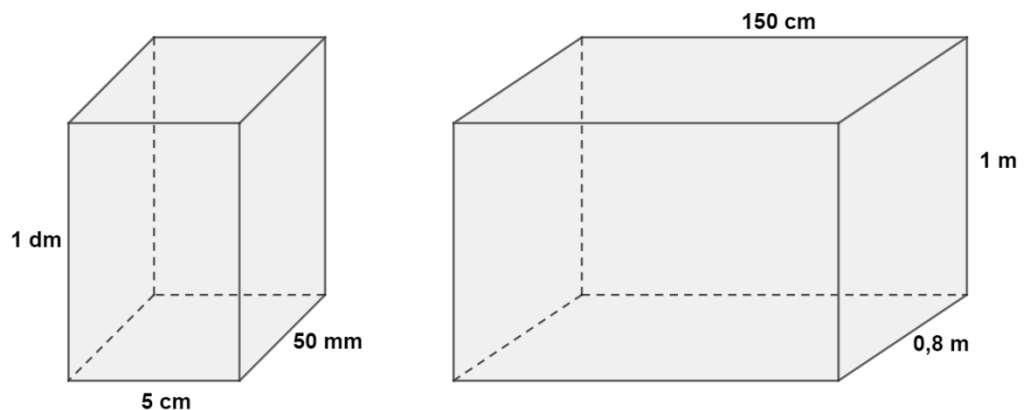
- a/ $43 \text{ mm}^2 = \dots\dots\dots \text{ m}^2$ b/ $178 \text{ dm}^2 = \dots\dots\dots \text{ dam}^2$
c/ $72 \text{ hm}^2 = \dots\dots\dots \text{ km}^2$ d/ $7,85 \text{ cm}^2 = \dots\dots\dots \text{ mm}^2$
e/ $3,5 \text{ m}^2 = \dots\dots\dots \text{ mm}^2$ f/ $874 \text{ mm}^2 = \dots\dots\dots \text{ dam}^2$
g/ $59\,487 \text{ m}^2 = \dots\dots\dots \text{ km}^2$ h/ $152,4 \text{ hm}^2 = \dots\dots\dots \text{ dam}^2$

c/ Volume

- a/ $12 \text{ m}^3 = \dots\dots\dots \text{ dm}^3$ b/ $10 \text{ mm}^3 = \dots\dots\dots \text{ dm}^3$ c/ $1\,200 \text{ dm}^3 = \dots\dots\dots \text{ m}^3$
d/ $0,75 \text{ m}^3 = \dots\dots\dots \text{ dm}^3$ e/ $12\,426 \text{ mm}^3 = \dots\dots\dots \text{ cm}^3$ f/ $25,7 \text{ cm}^3 = \dots\dots\dots \text{ mm}^3$
g/ $127 \text{ mL} = \dots\dots\dots \text{ L}$ h/ $752,3 \text{ hL} = \dots\dots\dots \text{ L}$ i/ $132 \text{ cL} = \dots\dots\dots \text{ L}$
j/ $0,051 \text{ L} = \dots\dots\dots \text{ cL}$ k/ $25 \text{ dL} = \dots\dots\dots \text{ cL}$ l/ $0,3 \text{ cL} = \dots\dots\dots \text{ dL}$

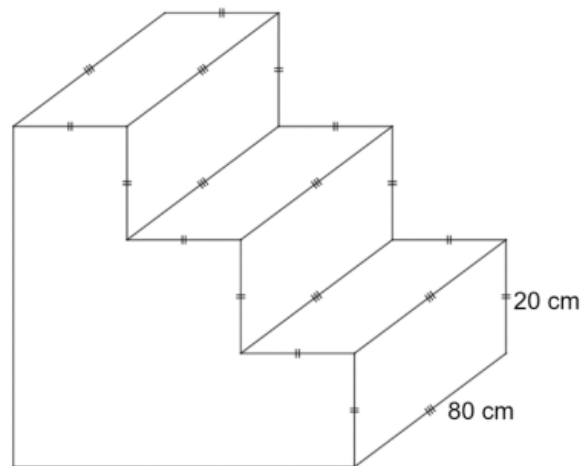
Exercice 6

Calculer le volume des deux pavés droits :



Exercice 7

Calculer le volume de ce solide qui est constitué de 3 pavés droits.



Exercice 8

Calculer le volume de ce solide.

Il s'agit d'un pavé droit de longueur 12 cm, de largeur 6,5 cm et de hauteur 5 cm dans lequel on a enlevé, dans chaque coin, un cube de 1 cm de côté.

