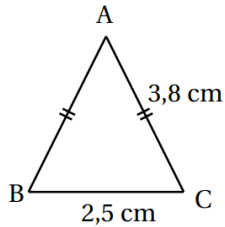


# Périmètre / Aire / Volume

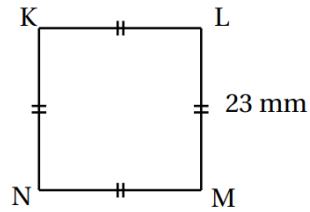
## Exercice 1

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

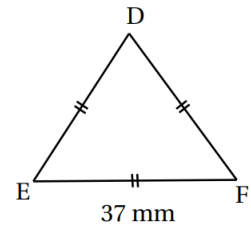
a/



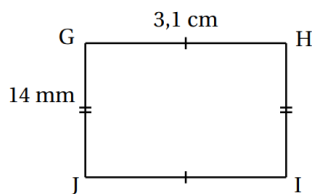
b/



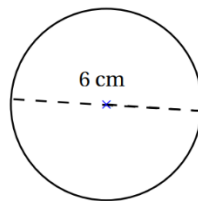
c/



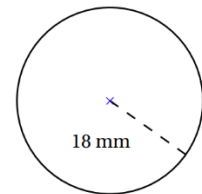
d/



e/



f/



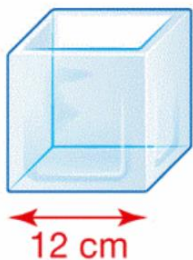
## Exercice 2

Déterminer l'aire des figures de l'exercice 1

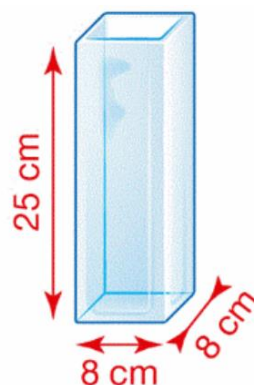
## Exercice 3

Déterminer le volume des deux vases suivants

Un vase A  
cubique

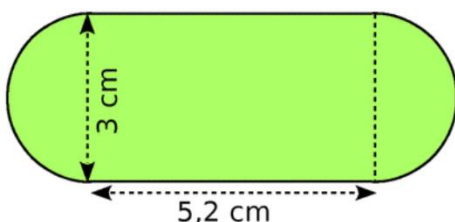


Un vase B en forme  
de pavé droit



## 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/  $1\,200 \text{ dm}^3 = \dots\dots\dots \text{ m}^3$

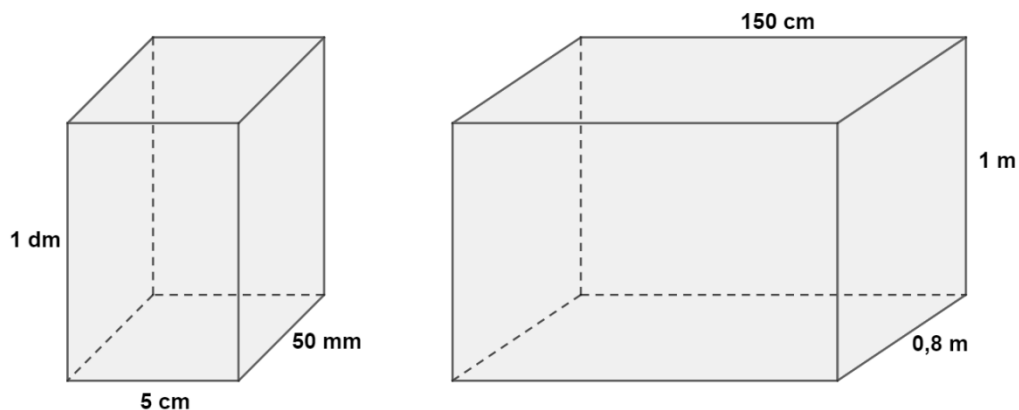
d/  $0,75 \text{ m}^3 = \dots\dots\dots \text{ dm}^3$       e/  $12\,426 \text{ mm}^3 = \dots\dots\dots \text{ cm}^3$       f/  $25,7 \text{ cm}^3 = \dots\dots\dots \text{ mm}^3$

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/  $0,3 \text{ cL} = \dots\dots\dots \text{ dL}$

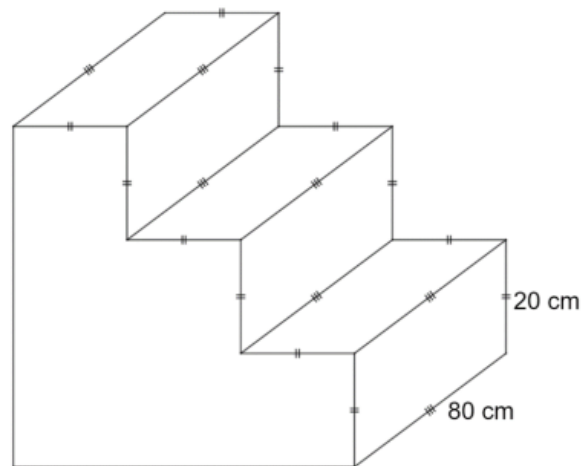
## Exercice 6

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.

