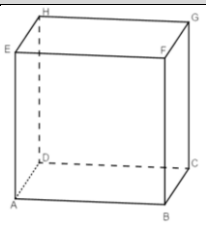
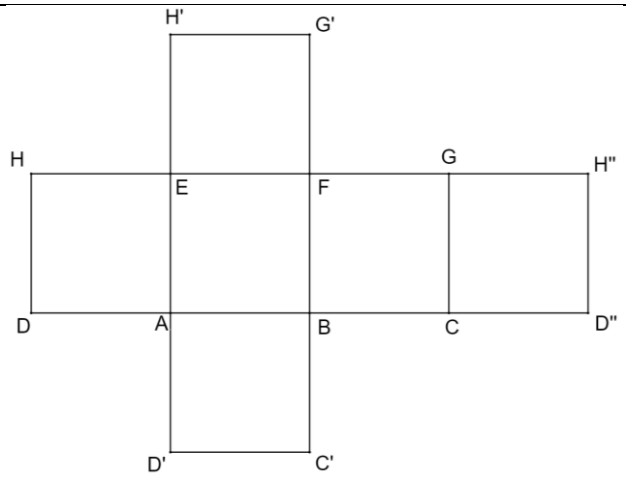
SOLIDES

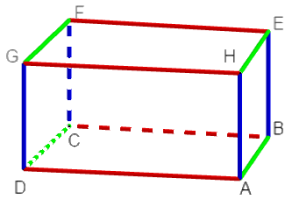
I – Perspectives cavalières et patrons

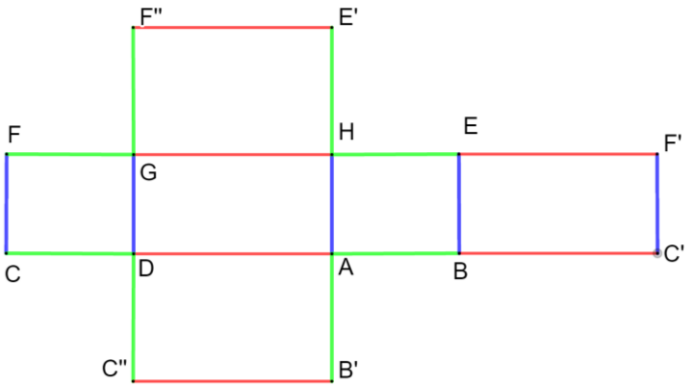
Cube



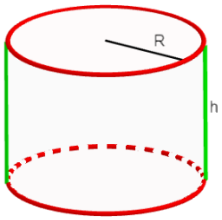


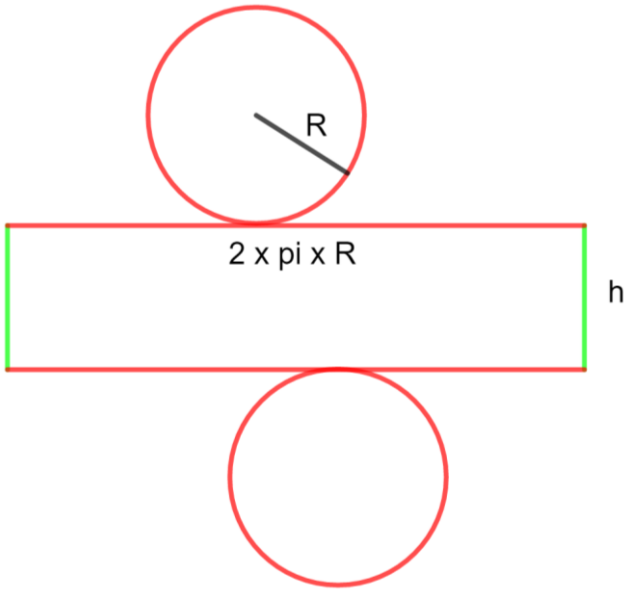
Pavé droit / parallélépipède rectangle



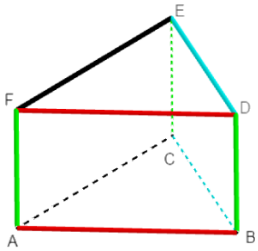


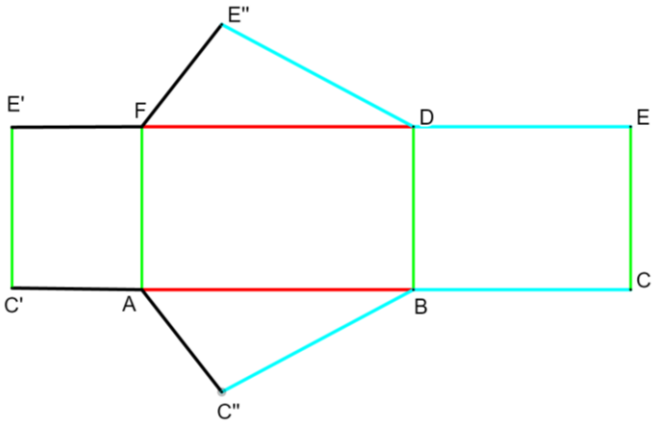
Cylindre





Prisme droit





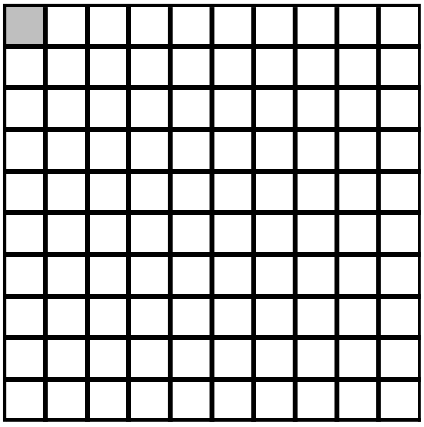
II – Unités et conversions

Longueurs

km	hm	da	m	dm	cm	m

Aires

km^2		hm^2		dam^2		m^2		dm^2		cm^2		mm^2	
			ha		a		ca						

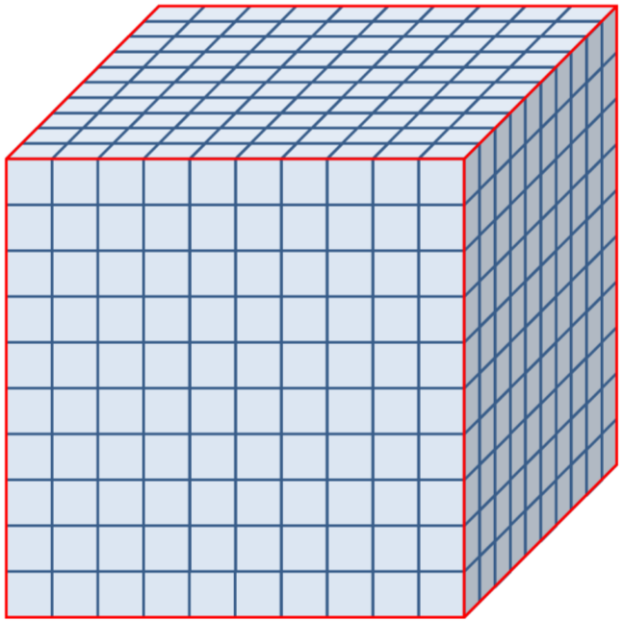


1 ha se lit « un hectare »
1 a se lit « un are »
1 ca se lit « un centiare »

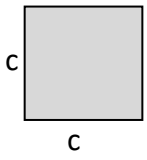
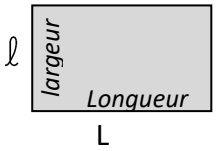
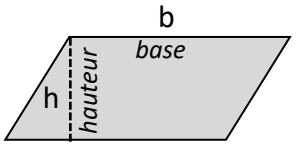
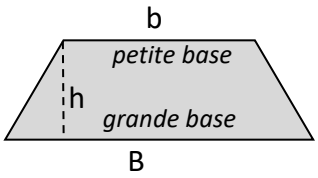
Volumes

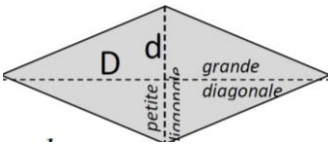
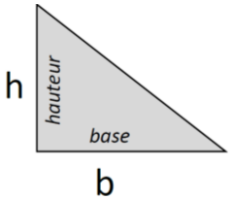
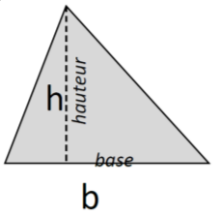
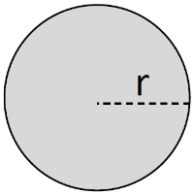
		km^3			hm^3			dam^3			m^3			dm^3			cm^3			mm^3
												hL	daL	L	dL	cL	mL			

1 dm^3 = 1L



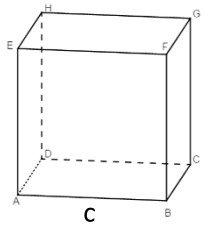
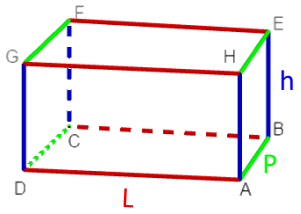
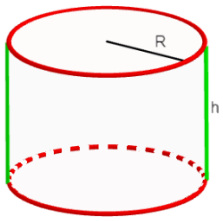
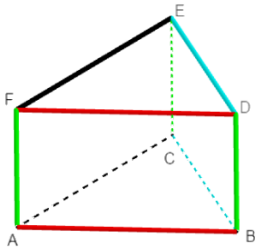
III – Aires

Carré	Rectangle	Parallélogramme	Trapèze
			
Aire = $c^2 = c \times c$	Aire = $L \times \ell$	Aire = $b \times h$	Aire = $\frac{(b + B) \times h}{2}$

Losange	Triangle rectangle	Triangle	Cercle / disque
			
Aire = $\frac{d \times D}{2}$	Aire = $\frac{b \times h}{2}$		Aire = $\pi \times r^2$ Périmètre = $2 \times \pi \times r$

IV – Volumes

Volume = Surface de la base × hauteur

			
V = $c^3 = c \times c \times c$	V = $L \times P \times h$	V = $\pi \times R^2 \times h$	V = Surface du triangle × h