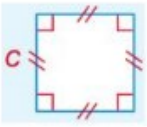
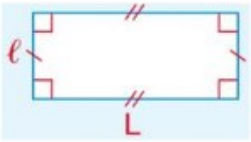
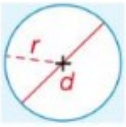
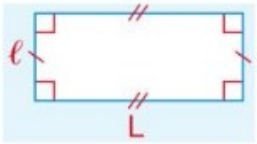
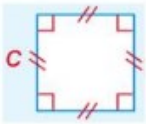
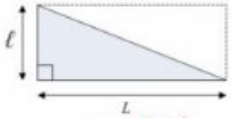
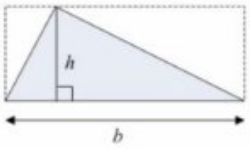
FORMULAIRE PÉRIMÈTRE, AIRES ET VOLUMES

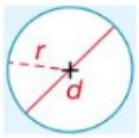
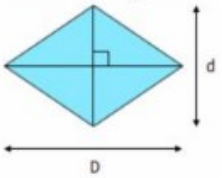
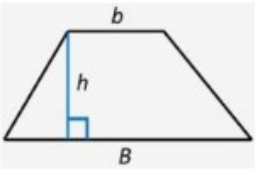
Pour appliquer une formule, les longueurs doivent être exprimées **dans la même unité.**

I. Périmètre

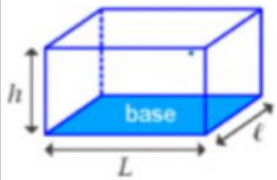
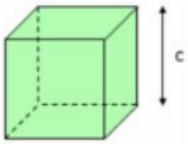
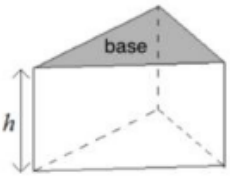
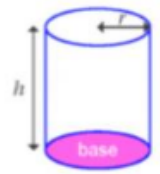
Carré	Rectangle	Cercle
		
P = 4 x c	P = 2 x L + 2 x l ou P = 2 x (L + l)	P = d x π ou P = 2 x r x π

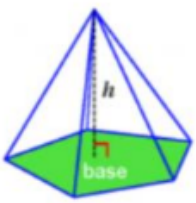
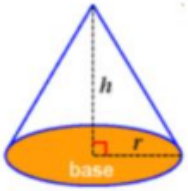
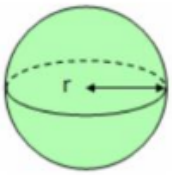
II. Aire

Rectangle	Carré	Triangle rectangle	Triangle
			
A = L x l	A = c x c = c^2	A = $\frac{L \times l}{2}$	A = $\frac{b \times h}{2}$

Cercle	Parallélogramme	Losange	Trapèze
			
A = π x R x R = π x R^2	A = c x h	A = $\frac{d \times D}{2}$	A = $\frac{(b+B) \times h}{2}$

III. Volumes

Pavé droit	Cube	Prisme droit	Cylindre de révolution
			
V = L x l x h	V = $c \times c \times c = c^3$	V = Aire de la base x h	V = $\pi \times r^2 \times h$

Pyramide	Cône de révolution	Boule
		
V = $\frac{Aire\ de\ la\ base \times h}{3}$	V = $\frac{\pi \times r^2 \times h}{3}$	V = $\frac{4}{3}\pi r^3$