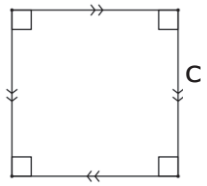
Formulaire de périmètres, aires et volumes

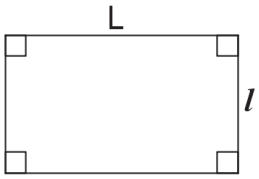
Figures Planes

Le carré



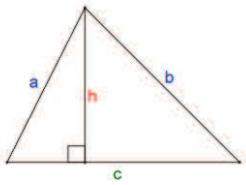
Périmètre = c x 4
Aire = c^2

Le rectangle



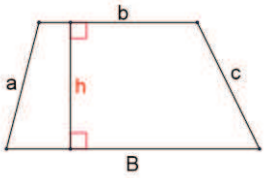
Périmètre = (L + ℓ) x 2
Aire = L x ℓ

Le triangle



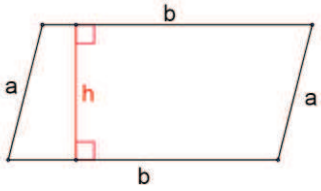
Périmètre = a + b + c
Aire = $\frac{c \times h}{2}$

Le trapèze



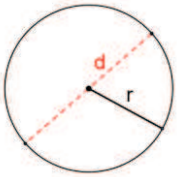
Périmètre = a + b + c + B
Aire = $\frac{(B + b) \times h}{2}$

Le parallélogramme



Périmètre = a + b + a + b
Aire = b x h

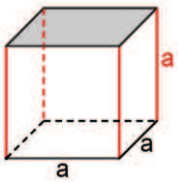
Le cercle



Longueur du cercle = d x π ou 2 π r
Aire du disque = π r^2

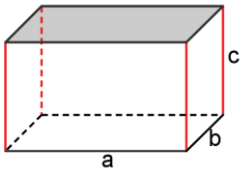
Solides

Le cube



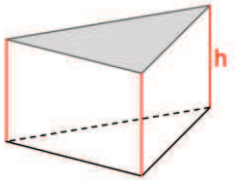
Volume = a^3
Aire totale = 6 x a^2

Le pave droit



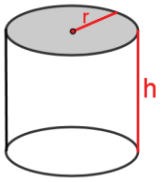
Volume = a x b x c

Le prisme



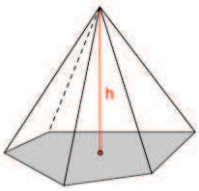
Volume = Aire de la base x h
Aire latérale = périmètre de la base x h

Le cylindre



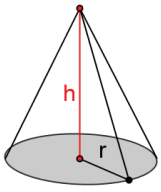
Volume = π r^2 h
Aire latérale = 2π r h

La pyramide



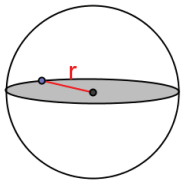
V = $\frac{\text{Aire de la base x h}}{3}$

Le cône



V = $\frac{\pi\ r^2\ h}{3}$

La boule



Volume = $\frac{4}{3}\pi\ r^3$
Aire de la sphère = 4π r^2