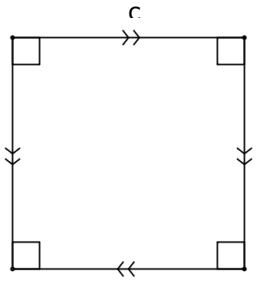
Formulaire de périmètres, aires et volumes

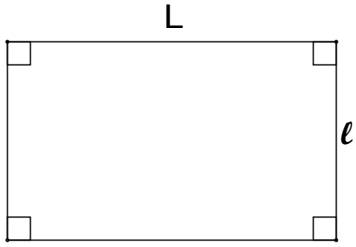
Figures Planes

Le carré



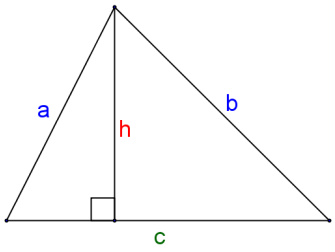
Périmètre = c x 4
Aire = c x c ou c^2

Le rectangle



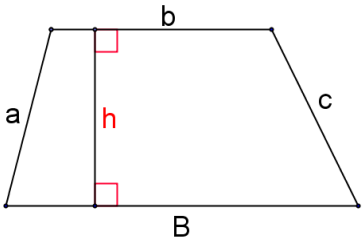
Périmètre = (L + ℓ) x 2
Aire = L x ℓ

Le triangle



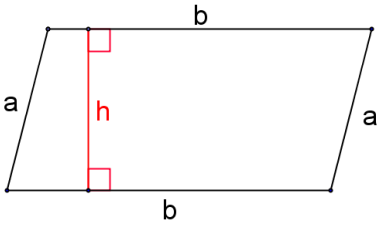
Périmètre = a + b + c
Aire = $\frac{c \times h}{2}$

Le trapèze



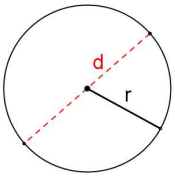
Périmètre = a + b + c + B
Aire = $\frac{(B + b) \times h}{2}$

Le parallélogramme



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

Le cercle

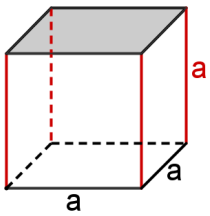


Longueur du cercle = d x ∏ ou r x 2 x ∏

Aire du disque = r x r x ∏
ou ∏ x r^2

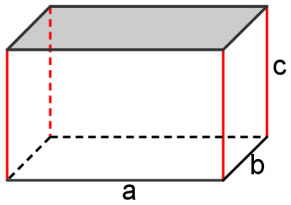
Solides

Le cube



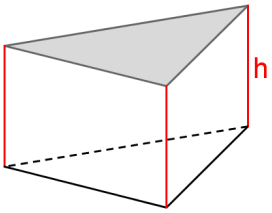
Volume = a x a x a
ou a^3

Le pave droit



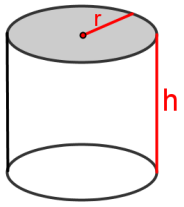
Volume = a x b x c

Le prisme



V = Aire de la base x h

Le cylindre



V = Aire de la base x h
soit ∏ x r^2 x h