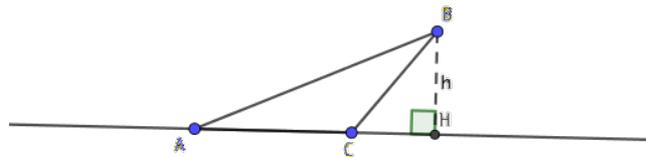
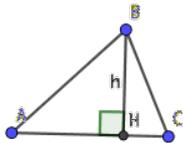
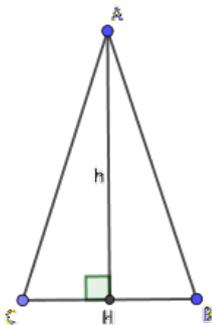


Périmètre, Aire et Volume

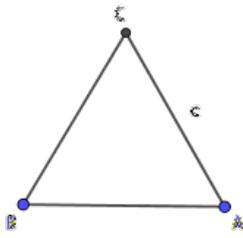
Le périmètre d'un polygone est égale la somme des longueurs de ses côtés.



$$\text{Aire d'un triangle: } \mathcal{A} = \frac{\text{côté} \times \text{hauteur relative}}{2} = \frac{AC \times h}{2}$$

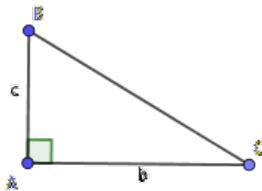


$$\text{Aire d'un triangle isocèle: } \mathcal{A} = \frac{\text{côté principal} \times \text{hauteur relative}}{2} = \frac{BC \times h}{2}$$

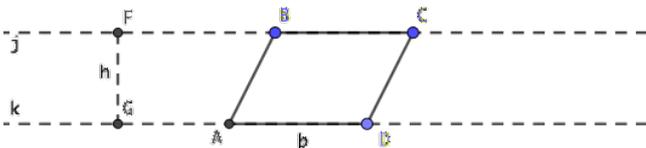


Périmètre d'un triangle équilatéral: $\mathcal{P} = 3 \times c$

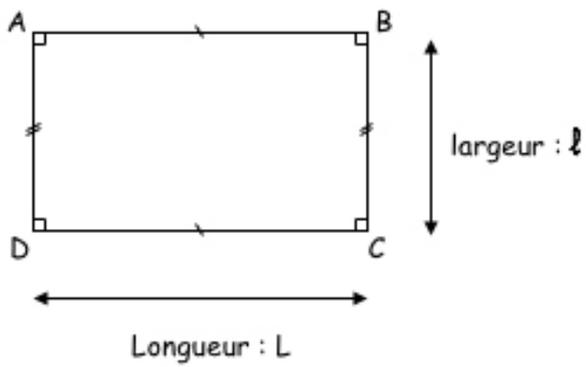
Aire d'un triangle équilatéral: $\mathcal{A} = \frac{\sqrt{3}}{2} \times c^2$



Aire d'un triangle rectangle: $\mathcal{A} = \frac{b \times c}{2}$

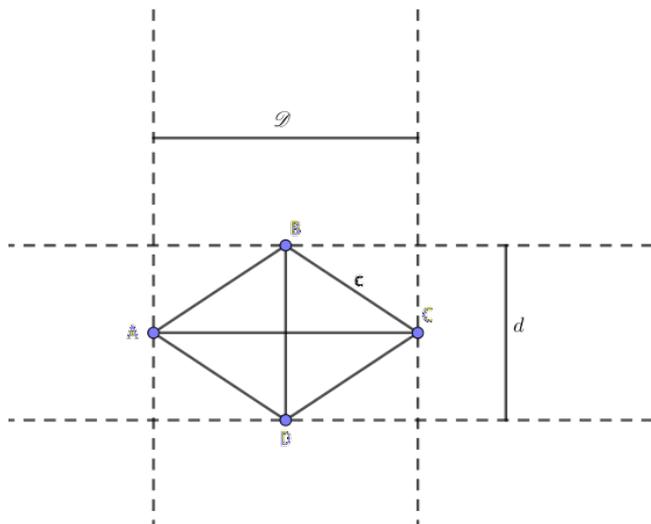


Aire d'un parallélogramme: $\mathcal{A} = b \times h$



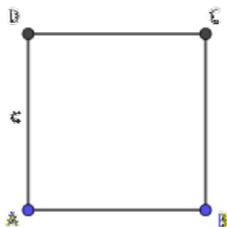
Périmètre d'un rectangle: $\mathcal{P} = 2 \times (L + l)$

Aire d'un rectangle: $\mathcal{A} = L \times l$



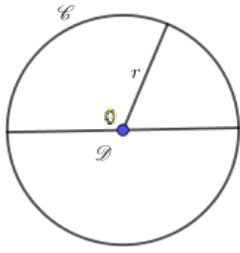
Périmètre d'un losange: $\mathcal{P} = 4 \times c$

Aire d'un losange: $\mathcal{A} = \frac{D \times d}{2}$



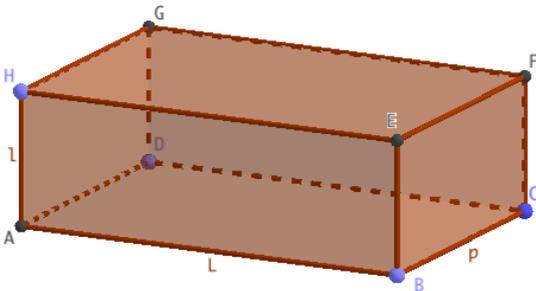
Périmètre d'un carré: $\mathcal{P} = 4 \times c$

Aire d'un carré: $\mathcal{A} = c^2$



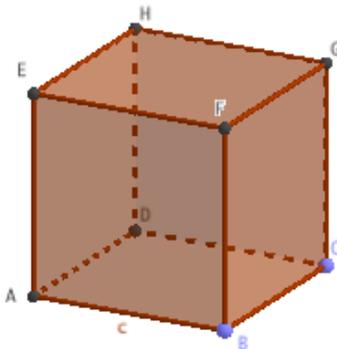
Périmètre d'un cercle: $\mathcal{P} = 2 \times \pi \times r = \pi \times \mathcal{D}$

Aire d'un cercle: $\mathcal{A} = \pi \times r^2 = \frac{\pi \times \mathcal{D}^2}{4}$



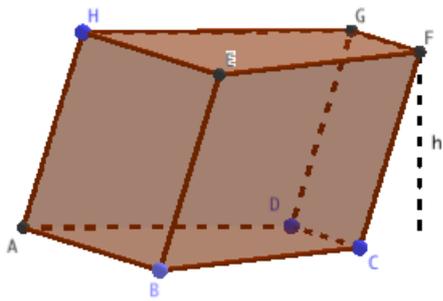
Aire d'un pavé droit: $\mathcal{A} = 2 \times (Ll + Lp + pl)$

Volume d'un pavé droit: $\mathcal{V} = L \times l \times p$

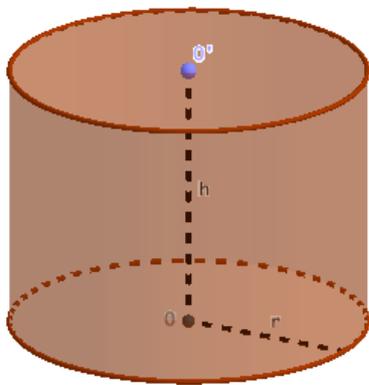


Aire d'un cube: $\mathcal{A} = 6 \times c^2$

Volume d'un cube: $\mathcal{V} = c^3$

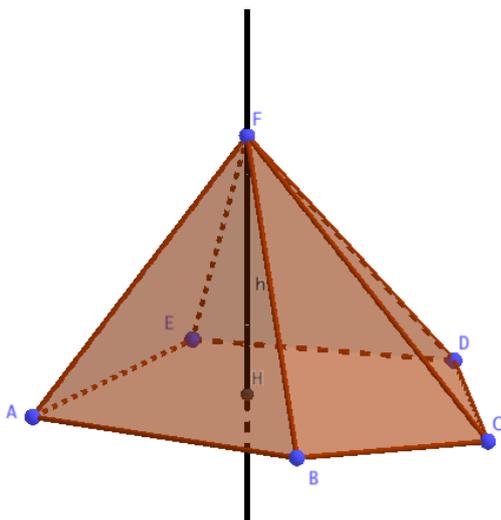


Volume d'un prisme: $\mathcal{V} = \mathcal{A}_{base} \times h$

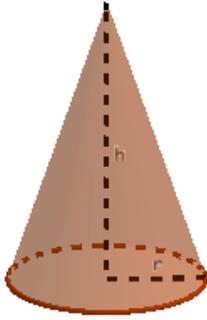


Aire d'un cylindre de révolution: $\mathcal{A} = 2(\pi r^2 + \pi h)$

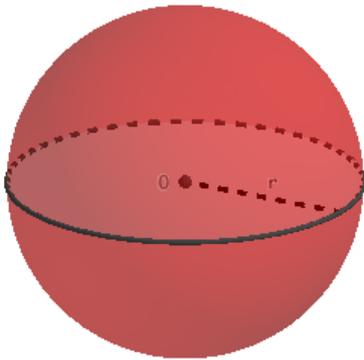
Volume d'un cylindre de révolution: $\mathcal{V} = \pi r^2 h$



Volume d'une pyramide: $\mathcal{V} = \frac{1}{3} \times \mathcal{A}_{base} \times h$



Volume d'un cône de révolution: $\mathcal{V} = \frac{1}{3} \times \pi r^2 \times h$



Aire d'une sphère: $\mathcal{A} = 4 \times \pi r^2$

Volume d'une boule: $\mathcal{V} = \frac{4}{3} \times \pi r^3$