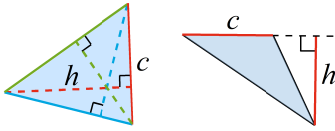
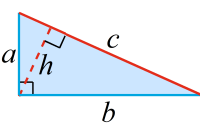
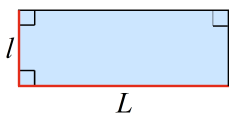
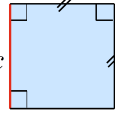
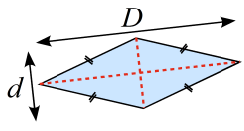
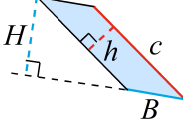
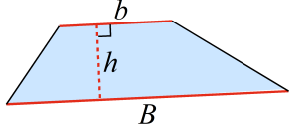
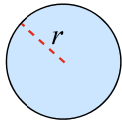


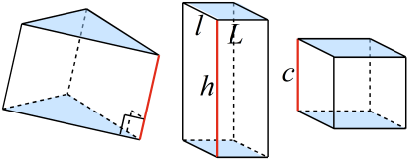
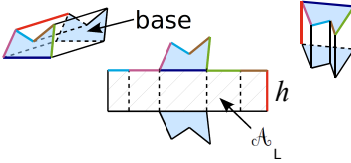
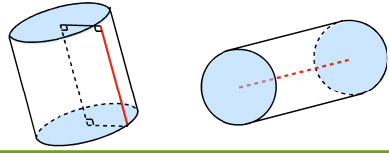
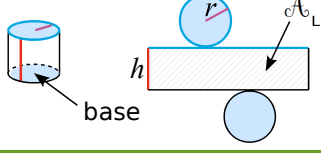
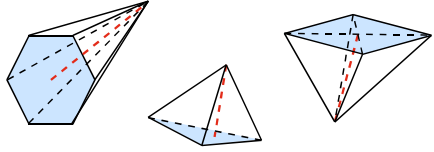
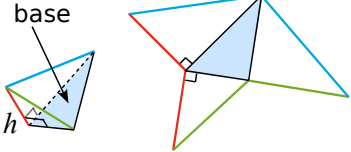
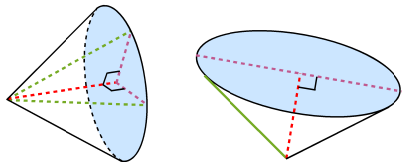
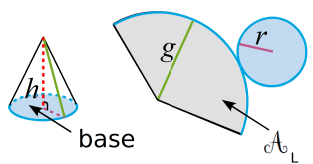
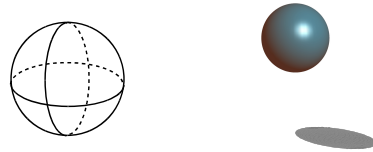
## Périmètres $\mathcal{P}$ et aires $\mathcal{A}$

Exemples de conversion :  $25,4 \text{ cm}^2 = 2\,540 \text{ mm}^2$  ;  $50\pi \text{ m}^2 = 0,005\pi \text{ hm}^2$  (ou ha)  $\approx 0,016 \text{ ha}$ .

<b>Triangle</b>		$\mathcal{A} = \frac{c \times h}{2}$	<b>Triangle rectangle</b>		$\mathcal{A} = \frac{a \times b}{2} = \frac{c \times h}{2}$
<b>Rectangle</b>		$\mathcal{A} = L \times l$ $\mathcal{P} = 2L + 2l$ ou $\mathcal{P} = 2(L + l)$	<b>Carré</b>		$\mathcal{A} = c \times c = c^2$ $\mathcal{P} = 4 \times c = 4c$
<b>Losange</b>		$\mathcal{A} = \frac{D \times d}{2}$	<b>Parallélogramme</b>		$\mathcal{A} = B \times H = c \times h$
<b>Trapèze</b>		$\mathcal{A} = \frac{B+b}{2} \times h$	<b>Disque</b>		$\mathcal{A} = \pi \times r \times r = \pi r^2$ $\mathcal{P} = 2 \times \pi \times r = 2\pi r$ ou $\mathcal{P} = \pi \times \text{diamètre}$

## Volumes $\mathcal{V}$ , aires latérales $\mathcal{A}_L$ et patrons

Exemples de conversion :  $1 \text{ dm}^3 = 1 \text{ L}$  ;  $1 \text{ L} = 1\,000 \text{ mL}$  ;  $2\,534 \text{ cm}^3 = 2,534 \text{ dm}^3$  ou L.

	<b>Solide en perspective</b>	<b>Patron</b>	<b>Formules</b>
<b>Prisme droit</b>			$\mathcal{V} = \text{Aire base} \times h$ $\mathcal{V}_{\text{cube}} = c \times c \times c = c^3$ $\mathcal{V}_{\text{pavé droit}} = L \times l \times h$ $\mathcal{A}_L = \text{Périmètre base} \times h$
<b>Cylindre de révolution</b>			$\mathcal{V} = \text{Aire base} \times h$ $\mathcal{V} = \pi r^2 \times h$ $\mathcal{A}_L = \text{Périmètre base} \times h$ $\mathcal{A}_L = 2\pi r \times h$
<b>Pyramide</b>			$\mathcal{V} = \frac{\text{Aire base} \times h}{3}$
<b>Cône de révolution</b>			$\mathcal{V} = \frac{\text{Aire base} \times h}{3}$ $\mathcal{V} = \frac{\pi r^2 \times h}{3}$ $\mathcal{A}_L = \pi \times r \times g$
<b>Boule</b>		<b>Formules pour une boule délimitée par une sphère de rayon r</b>	
		Volume : $\mathcal{V} = \frac{4}{3} \pi r^3$	Aire : $\mathcal{A} = 4\pi r^2$

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