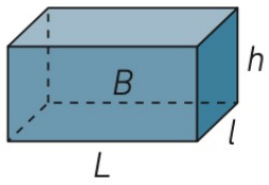
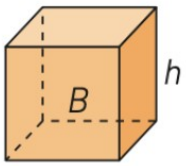
Formules : Volumes des solides usuels

Parallélépipède rectangle ou pavé droit



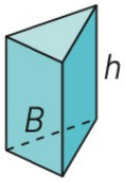
$V = L \times l \times h$

Cube



$V = h^3$

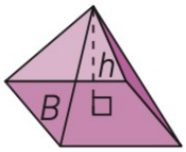
Prisme droit



B=aire de la base

$V = B \times h$

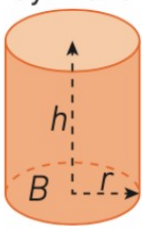
Pyramide



B=aire de la base

$V = \frac{B \times h}{3}$

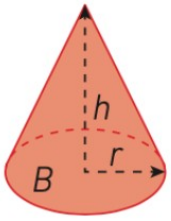
Cylindre



B=aire de la base

$V = B \times h = \pi \times r^2 \times h$

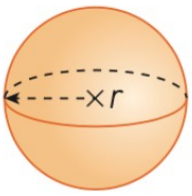
Cône



B=aire de la base

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

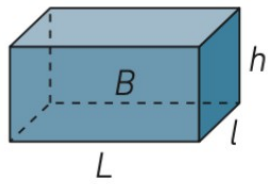
Boule



$V = \frac{4}{3} \times \pi \times r^3$

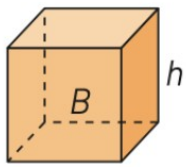
Formules : Volumes des solides usuels

Parallélépipède rectangle ou pavé droit



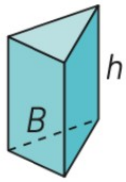
$V = L \times l \times h$

Cube



$V = h^3$

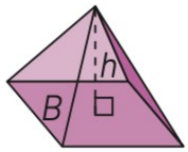
Prisme droit



B=aire de la base

$V = B \times h$

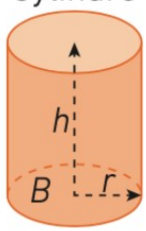
Pyramide



B=aire de la base

$V = \frac{B \times h}{3}$

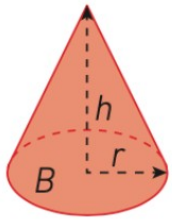
Cylindre



B=aire de la base

$V = B \times h = \pi \times r^2 \times h$

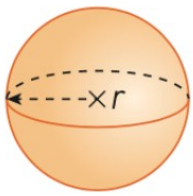
Cône



B=aire de la base

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

Boule



$V = \frac{4}{3} \times \pi \times r^3$