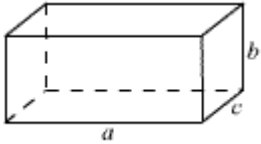


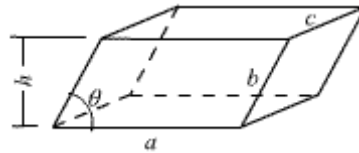
Parallélépipède rectangle (pavé droit)



$$\text{Volume} = abc$$

$$\text{Aire} = 2(ab + ac + bc)$$

Parallélépipède non-rectangle.



$$\text{Volume} = ach$$

$$\text{Aire} = 2(ah + bc + ca)$$

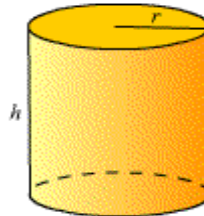
Sphère



$$\text{Volume} = \frac{4}{3}\pi r^3$$

$$\text{Aire} = 4\pi r^2$$

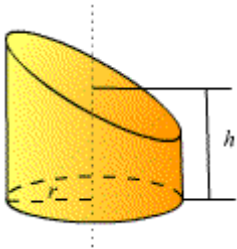
Cylindre droit



$$\text{Volume} = \pi r^2 h$$

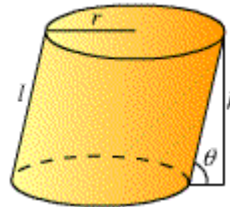
$$\text{Aire} = 2\pi r h$$

Tronc de cylindre



$$\text{Volume} = \frac{1}{3}\pi r^2 h$$

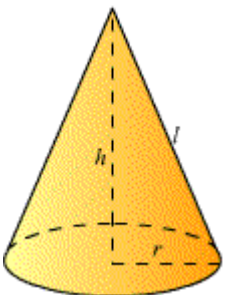
Cylindre non droit



$$\begin{aligned}\text{Volume} &= \pi r^2 h \\ &= \pi r^2 l \sin \theta\end{aligned}$$

$$\text{Aire latérale} = 2\pi r l = \frac{2\pi r h}{\sin \theta}$$

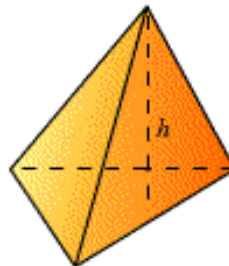
Cône droit



$$\text{Volume} = \frac{1}{3}\pi r^2 h$$

$$\begin{aligned}\text{Aire latérale} &= \frac{1}{3} A h \\ &= \pi r \sqrt{r^2 + h^2}\end{aligned}$$

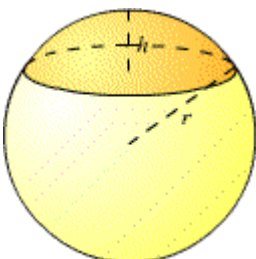
Pyramide



A désigne l'aire de la base.

$$\text{Volume} = \frac{1}{3} A h$$

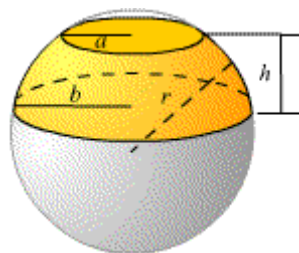
Calotte sphérique



$$\text{Volume} = \frac{1}{3}\pi r^2 (3r - h)$$

$$\text{Aire} = 2\pi r h$$

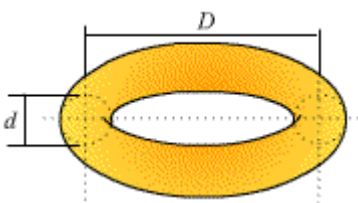
Zone sphérique



$$\begin{aligned}\text{Volume} &= \\ &= \frac{\pi h}{6} (3a^2 + 3b^2 + h^2)\end{aligned}$$

$$\text{Aire latérale} = 2\pi r h$$

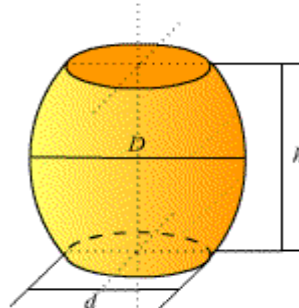
Tore



$$\text{Volume} = \frac{D\pi^2 d^2}{4}$$

$$\text{Aire} = Dd\pi^2$$

Tonneau



$$\text{Volume} = \frac{h\pi}{12} (2D^2 + d^2)$$