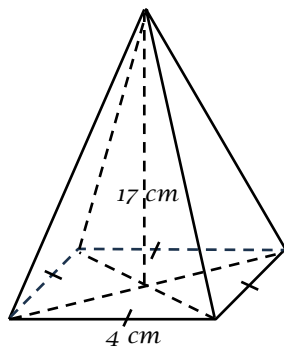
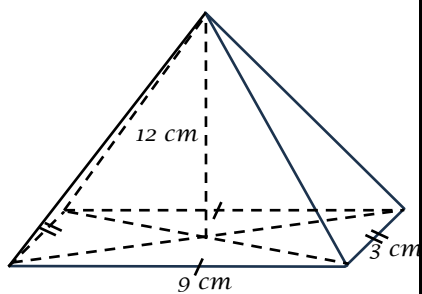
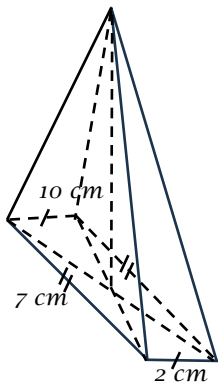
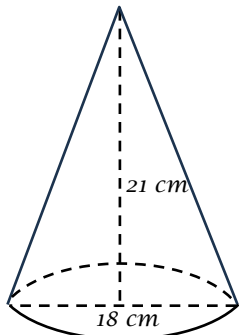
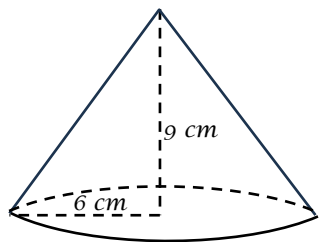




Volume pyramide et cône

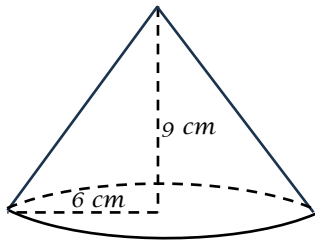
Exercice : Calculer le volume des solides suivants.





Correction

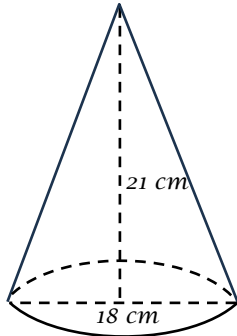
Exercice : Calculer le volume des solides suivants.



$$\text{Volume} = \frac{\text{Aire de la base} \times \text{hauteur}}{3}$$

$$\text{Volume} = \frac{\text{rayon}^2 \times \pi \times \text{hauteur}}{3}$$

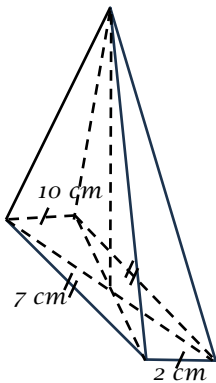
$$\text{Volume} = \frac{6^2 \times \pi \times 9}{3} = \frac{324\pi}{3} = 108\pi \approx 339 \text{ cm}^3$$



$$\text{Volume} = \frac{\text{Aire de la base} \times \text{hauteur}}{3}$$

$$\text{Volume} = \frac{\text{rayon}^2 \times \pi \times \text{hauteur}}{3}$$

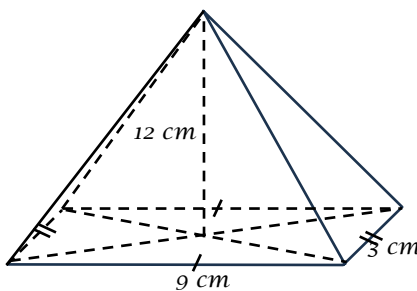
$$\text{Volume} = \frac{18^2 \times \pi \times 21}{3} = \frac{1701\pi}{3} = 567\pi \approx 1781 \text{ cm}^3$$



$$\text{Volume} = \frac{\text{Aire de la base} \times \text{hauteur}}{3}$$

$$\text{Volume} = \frac{\text{Longueur} \times \text{Largeur} \times \text{hauteur}}{3}$$

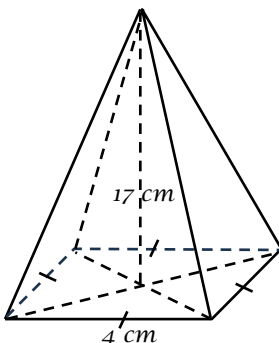
$$\text{Volume} = \frac{7 \times 2 \times 10}{3} = \frac{140}{3} \approx 46,7 \text{ cm}^3$$



$$\text{Volume} = \frac{\text{Aire de la base} \times \text{hauteur}}{3}$$

$$\text{Volume} = \frac{\text{Longueur} \times \text{Largeur} \times \text{hauteur}}{3}$$

$$\text{Volume} = \frac{9 \times 3 \times 12}{3} = \frac{324}{3} = 108 \text{ cm}^3$$



$$\text{Volume} = \frac{\text{Aire de la base} \times \text{hauteur}}{3}$$

$$\text{Volume} = \frac{\text{côté}^2 \times \text{hauteur}}{3}$$

$$\text{Volume} = \frac{4^2 \times 17}{3} = \frac{272}{3} \approx 90,7 \text{ cm}^3$$