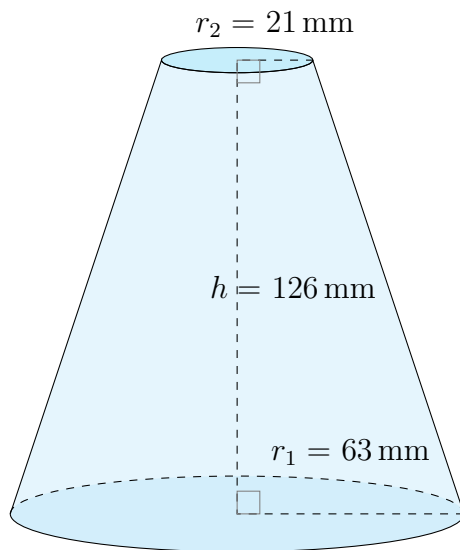


Aire et Volume d'un Tronc de Cône (I)

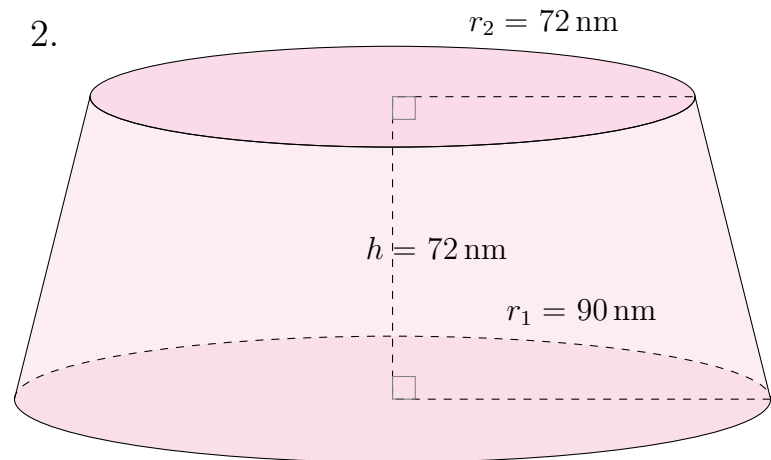
Calculez l'aire et le volume de chaque tronc de cône.

$$\text{Aire} = \pi(r_1 + r_2)\sqrt{(r_1 - r_2)^2 + h^2} + \pi r_1^2 + \pi r_2^2 \quad \text{Volume} = \frac{\pi}{3}h(r_1^2 + r_2^2 + r_1 r_2)$$

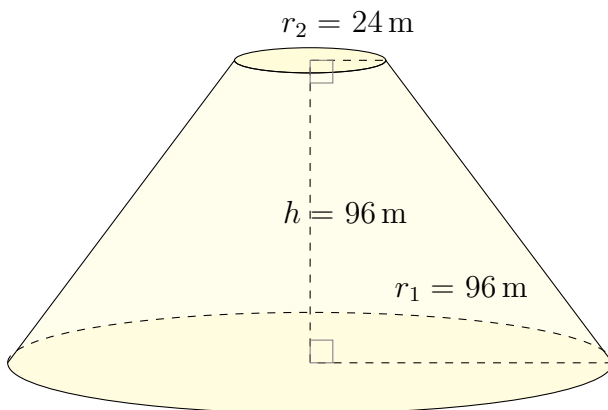
1.



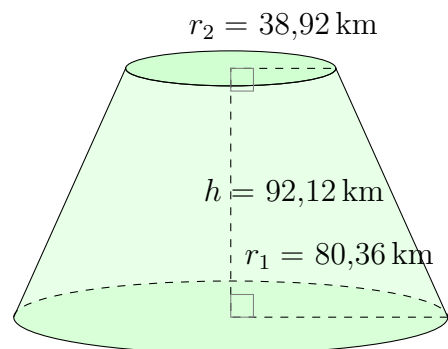
2.



3.



4.

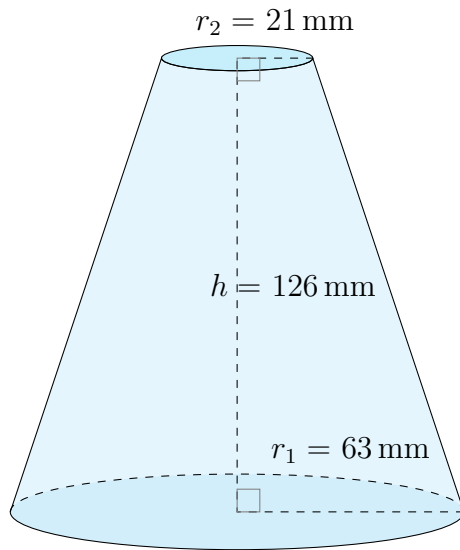


Aire et Volume d'un Tronc de Cône (I) Réponses

Calculez l'aire et le volume de chaque tronc de cône.

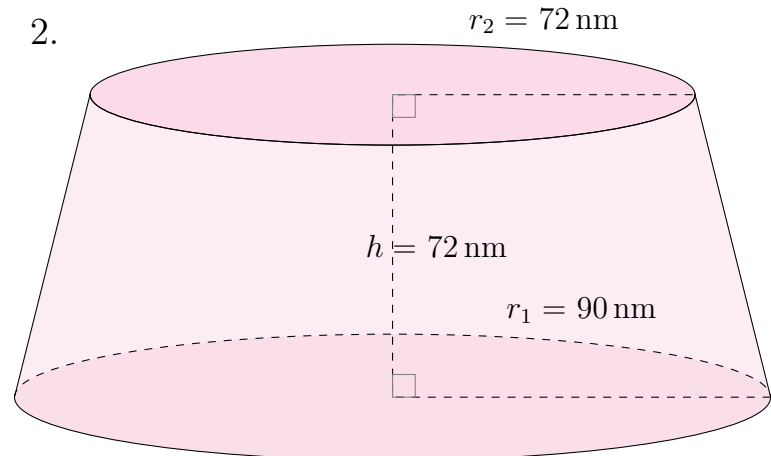
$$\text{Aire} = \pi(r_1 + r_2)\sqrt{(r_1 - r_2)^2 + h^2} + \pi r_1^2 + \pi r_2^2 \quad \text{Volume} = \frac{\pi}{3}h(r_1^2 + r_2^2 + r_1 r_2)$$

1.



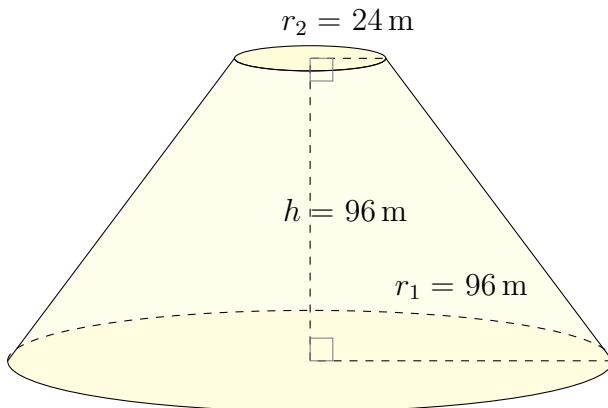
$$\begin{aligned} \text{Aire: } & 48.904 \text{ mm}^2 \\ \text{Volume: } & 756.452 \text{ mm}^3 \end{aligned}$$

2.



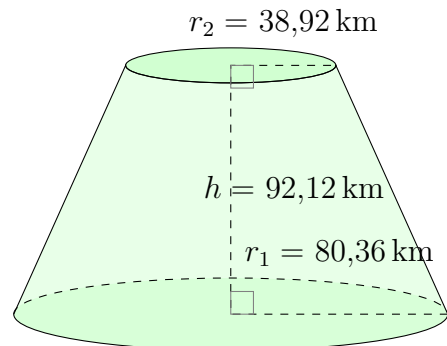
$$\begin{aligned} \text{Aire: } & 79.504 \text{ nm}^2 \\ \text{Volume: } & 1.490.170 \text{ nm}^3 \end{aligned}$$

3.



$$\begin{aligned} \text{Aire: } & 76.001 \text{ m}^2 \\ \text{Volume: } & 1.216.023 \text{ m}^3 \end{aligned}$$

4.



$$\begin{aligned} \text{Aire: } & 62.898,37 \text{ km}^2 \\ \text{Volume: } & 1.070.803,35 \text{ km}^3 \end{aligned}$$