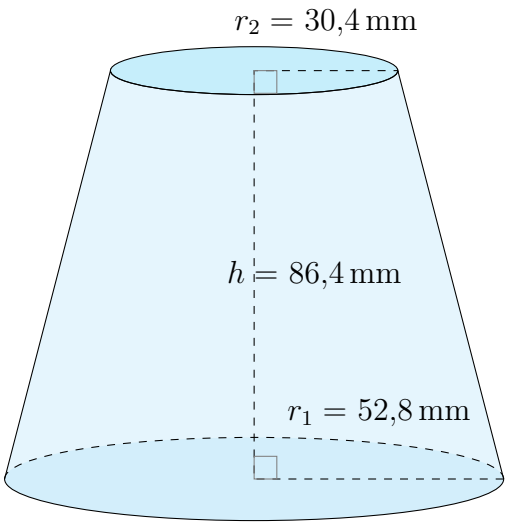
Aire et Volume d'un Tronc de Cône (G)

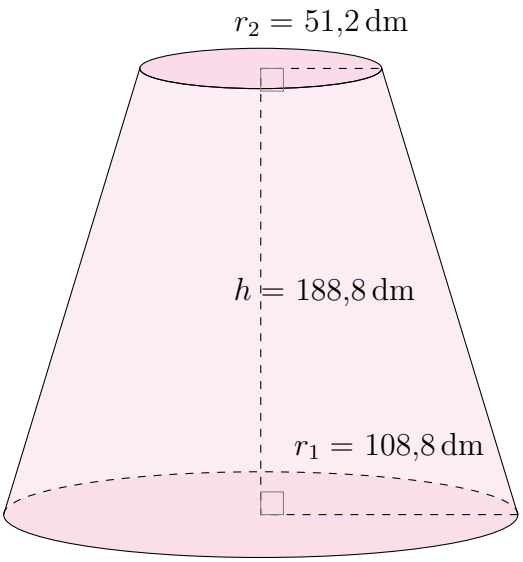
Calculez l'aire et le volume de chaque tronc de cône.

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

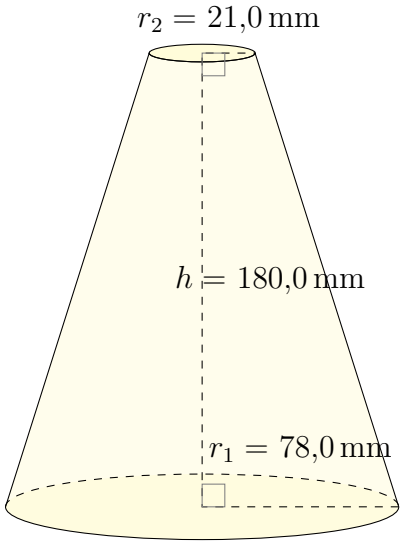
1.



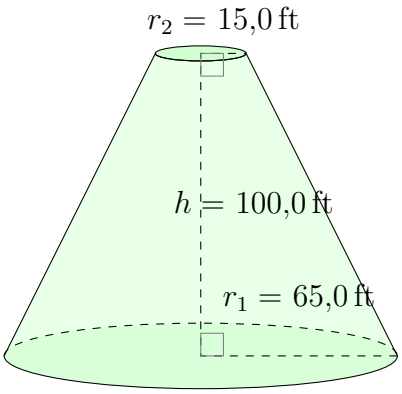
2.



3.



4.

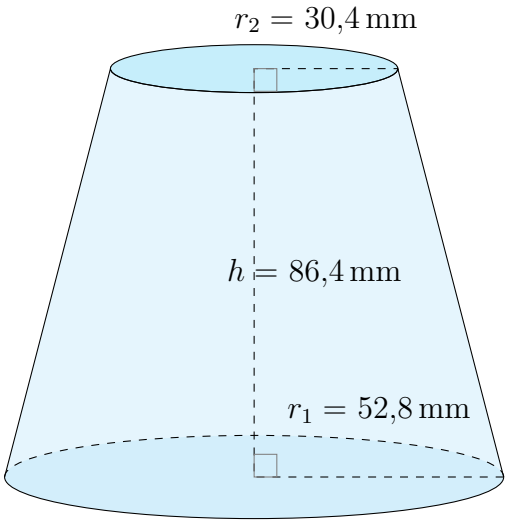


Aire et Volume d'un Tronc de Cône (G) Réponses

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

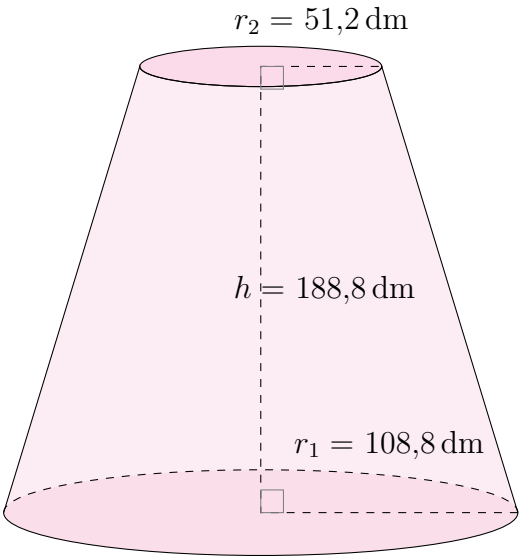
$$\text{Aire} = \pi(r_1 + r_2)\sqrt{(r_1 - r_2)^2 + h^2} + \pi {r_1}^2 + \pi {r_2}^2 \quad \text{Volume} = \frac{\pi}{3} h({r_1}^2 + {r_2}^2 + r_1 r_2)$$

1.



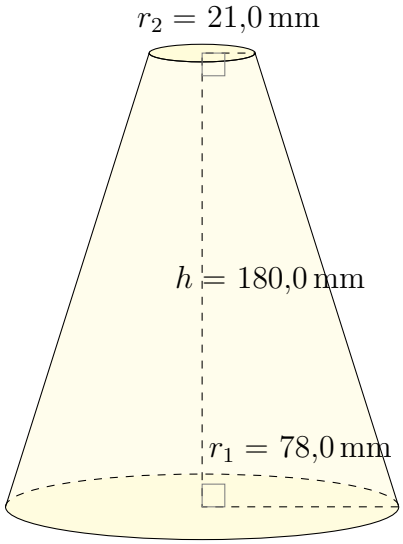
Aire: $34.991{,}5\,\text{mm}^2$
Volume: $481.081{,}7\,\text{mm}^3$

2.



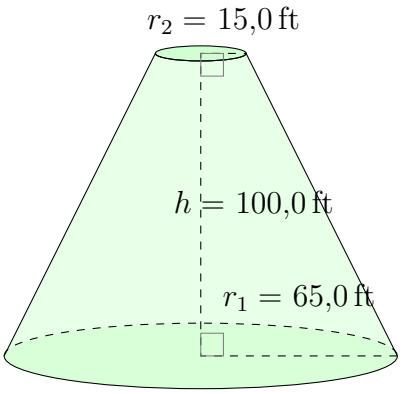
Aire: $144.643{,}4\,\text{dm}^2$
Volume: $3.960.038{,}6\,\text{dm}^3$

3.



Aire: $79.222{,}0\,\text{mm}^2$
Volume: $1.538.689{,}2\,\text{mm}^3$

4.



Aire: $42.079{,}3\,\text{ft}^2$
Volume: $568.104{,}7\,\text{ft}^3$