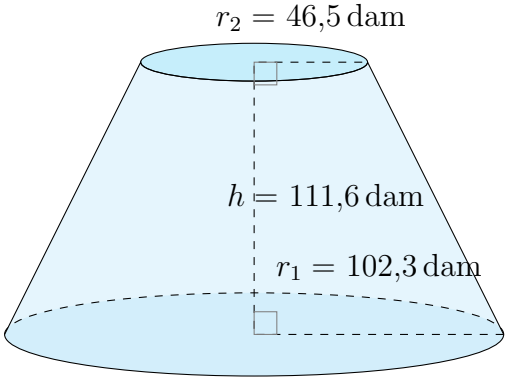
Aire et Volume d'un Tronc de Cône (F)

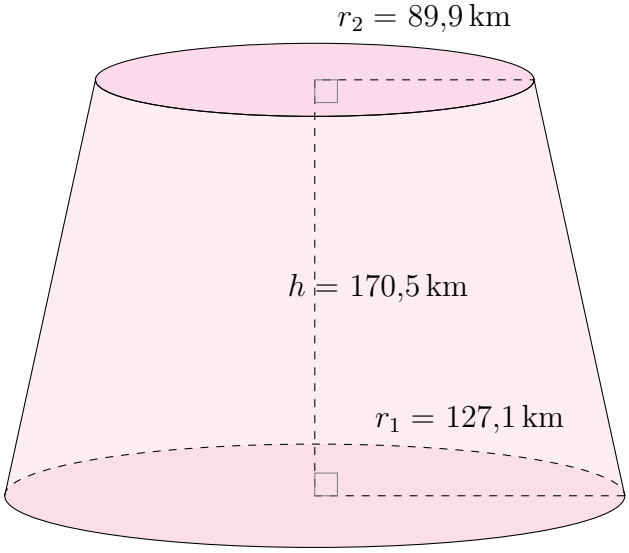
Calculez l'aire et le volume de chaque tronc de cône.

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

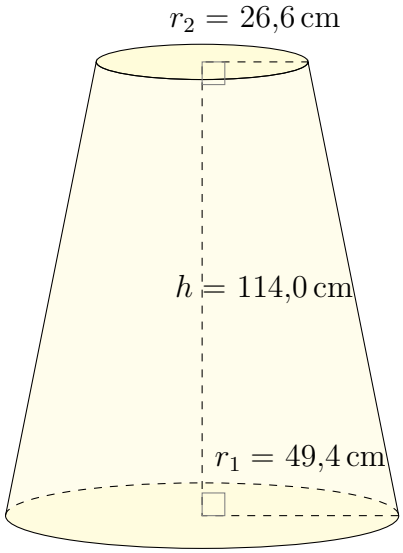
1.



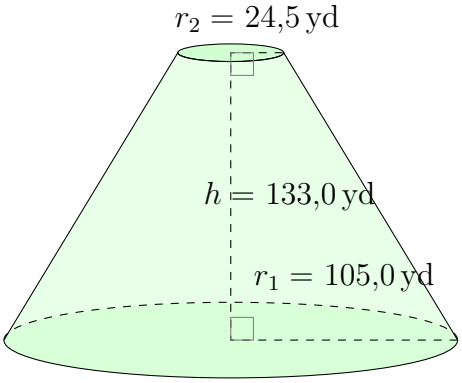
2.



3.



4.

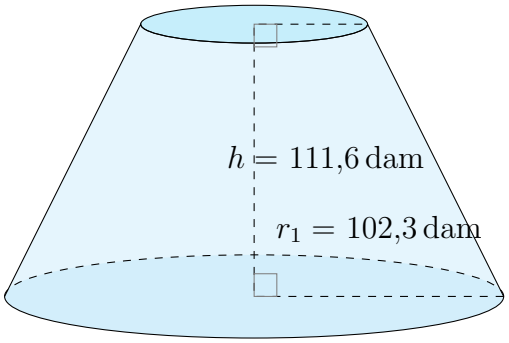


Aire et Volume d'un Tronc de Cône (F) Réponses

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

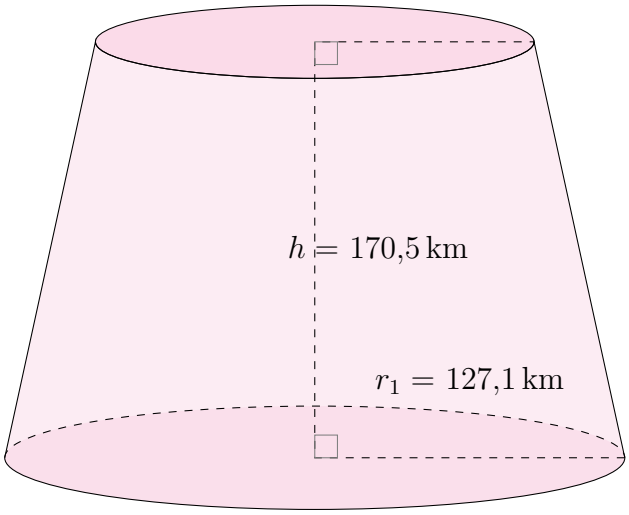
$$\text{Aire} = \pi(r_1 + r_2)\sqrt{(r_1 - r_2)^2 + h^2} + \pi {r_1}^2 + \pi {r_2}^2 \quad \text{Volume} = \frac{\pi}{3} h({r_1}^2 + {r_2}^2 + r_1 r_2)$$

1.



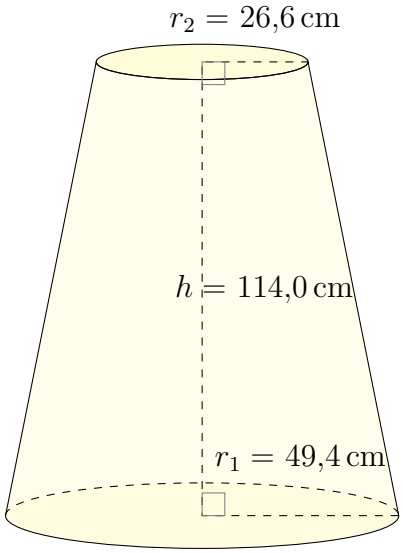
Aire: $97.997{,}9\,\text{dam}^2$
Volume: $2.031.677{,}5\,\text{dam}^3$

2.



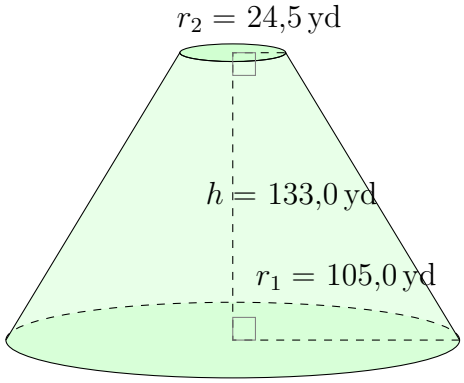
Aire: $195.109{,}6\,\text{km}^2$
Volume: $6.367.476{,}4\,\text{km}^3$

3.



Aire: $37.647{,}3\,\text{cm}^2$
Volume: $532.671{,}1\,\text{cm}^3$

4.



Aire: $99.770{,}4\,\text{yd}^2$
Volume: $1.977.423{,}9\,\text{yd}^3$