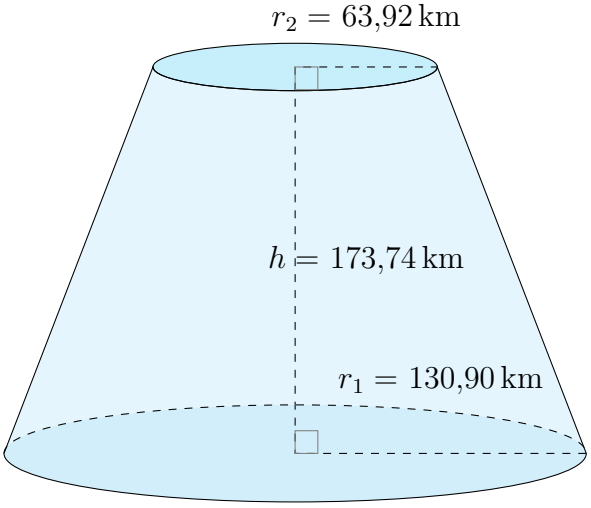
Aire et Volume d'un Tronc de Cône (H)

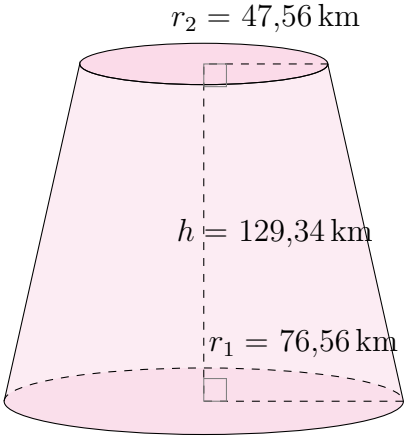
Calculez l'aire et le volume de chaque tronc de cône.

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

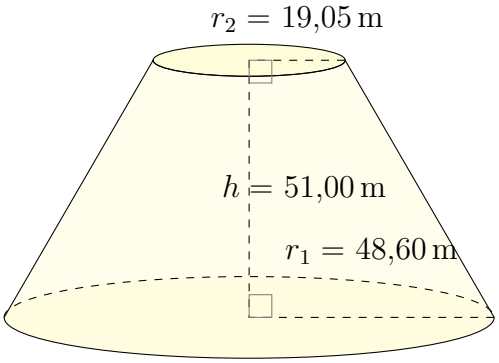
1.



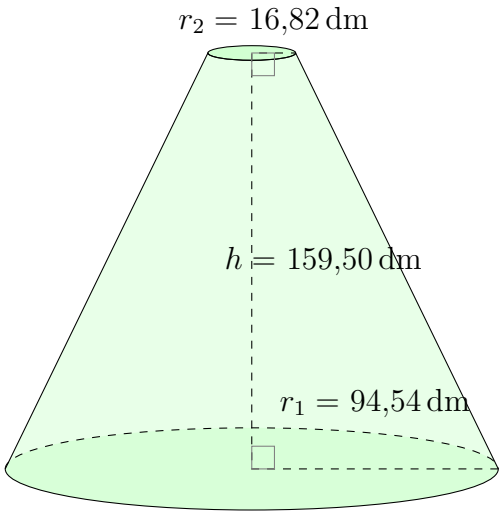
2.



3.



4.

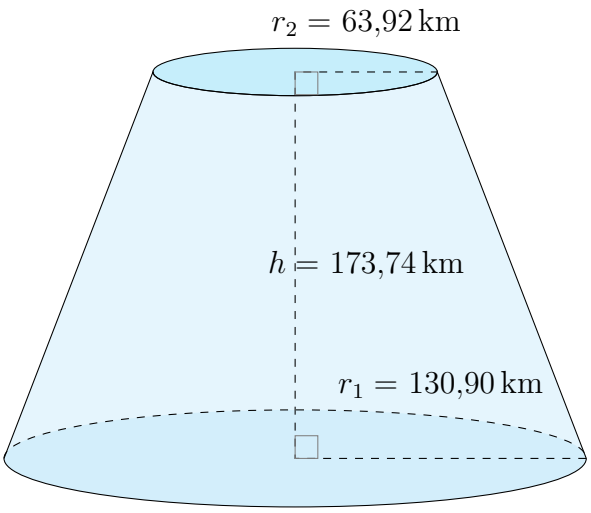


Aire et Volume d'un Tronc de Cône (H) Réponses

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

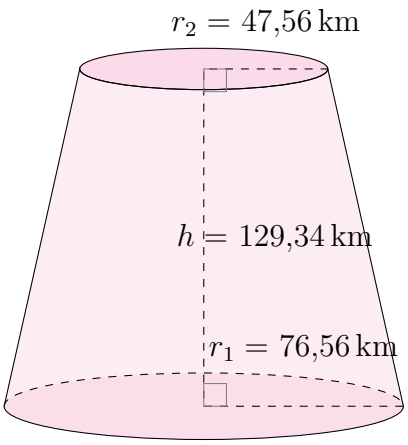
$$\text{Aire} = \pi(r_1 + r_2)\sqrt{(r_1 - r_2)^2 + h^2} + \pi {r_1}^2 + \pi {r_2}^2 \quad \text{Volume} = \frac{\pi}{3} h({r_1}^2 + {r_2}^2 + r_1 r_2)$$

1.



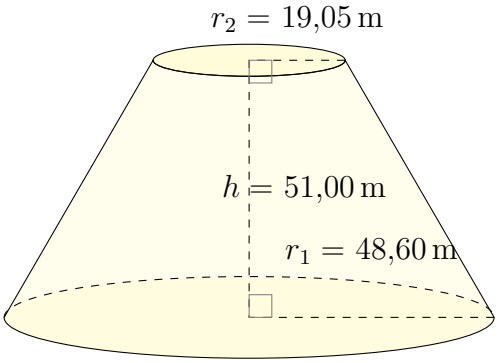
Aire: $180.631{,}61\,\text{km}^2$
Volume: $5.383.189{,}97\,\text{km}^3$

2.



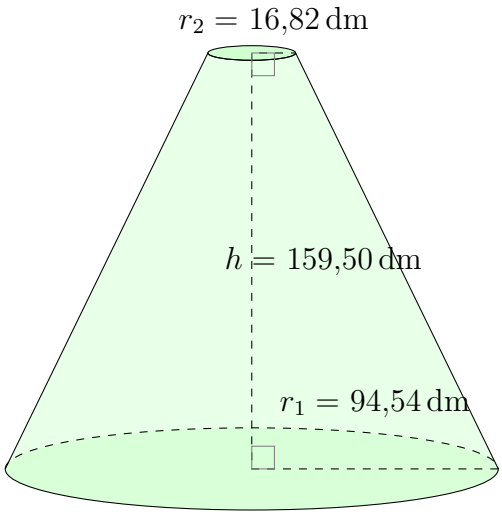
Aire: $77.206{,}68\,\text{km}^2$
Volume: $1.593.448{,}13\,\text{km}^3$

3.



Aire: $21.087{,}35\,\text{m}^2$
Volume: $194.972{,}81\,\text{m}^3$

4.



Aire: $91.040{,}50\,\text{dm}^2$
Volume: $1.805.720{,}90\,\text{dm}^3$