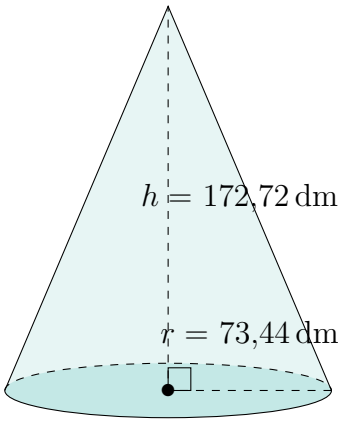
Aire et Volume d'un Cône (H)

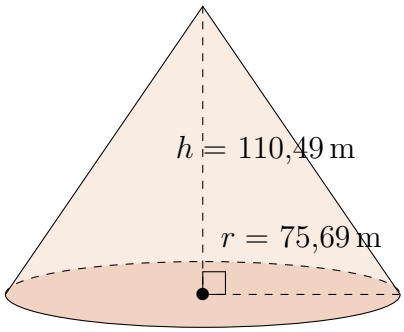
Calculez l'aire et le volume de chaque cône.

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

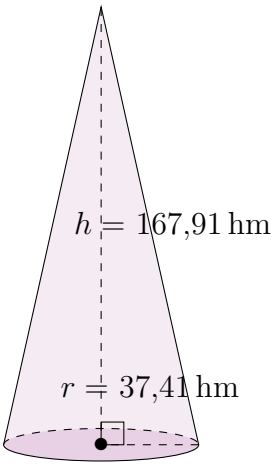
1.



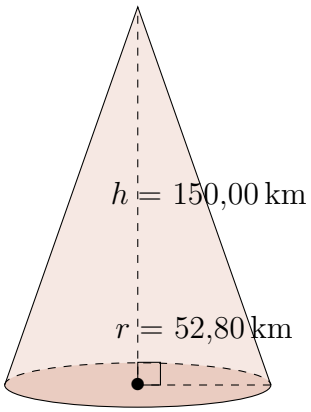
2.



3.



4.

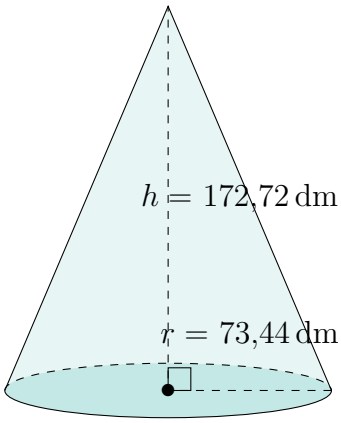


Aire et Volume d'un Cône (H) Réponses

Calculez l'aire et le volume de chaque cône.

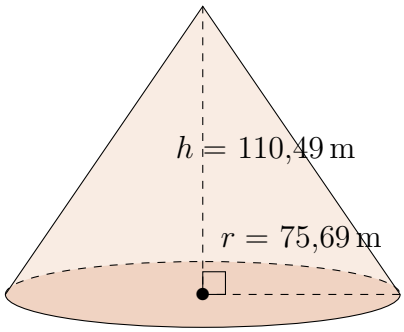
$$\text{Aire} = \pi r(r + \sqrt{h^2 + r^2}) \quad \text{Volume} = \pi r^2 \frac{h}{3}$$

1.



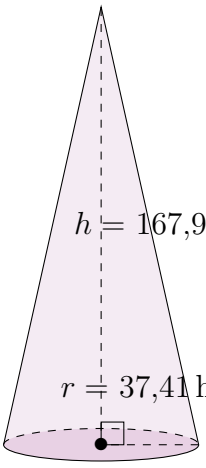
Aire: $60.246{,}37\,\text{dm}^2$
Volume: $975.520{,}91\,\text{dm}^3$

2.



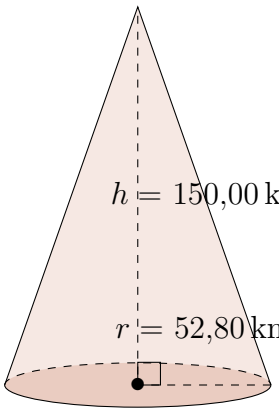
Surface Area: $49.844{,}74\,\text{m}^2$
Volume: $662.870{,}36\,\text{m}^3$

3.



Surface Area: $24.614{,}49\,\text{hm}^2$
Volume: $246.082{,}42\,\text{hm}^3$

4.



Surface Area: $35.136{,}12\,\text{km}^2$
Volume: $437.912{,}88\,\text{km}^3$