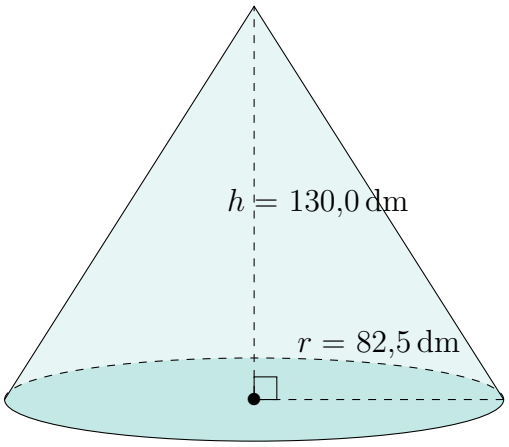
Aire et Volume d'un Cône (I)

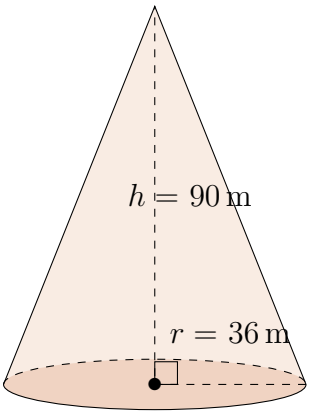
Calculez l'aire et le volume de chaque cône.

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

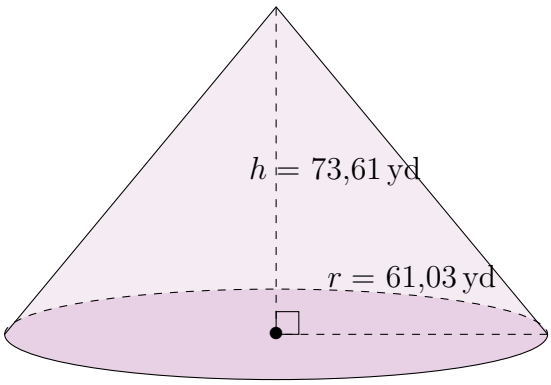
1.



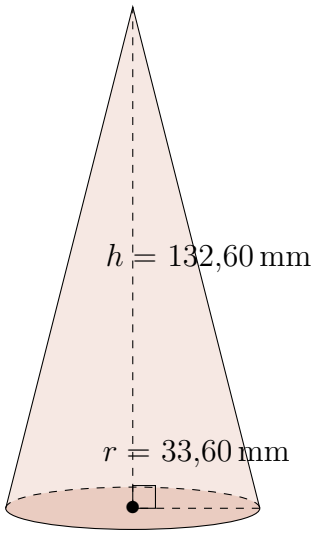
2.



3.



4.

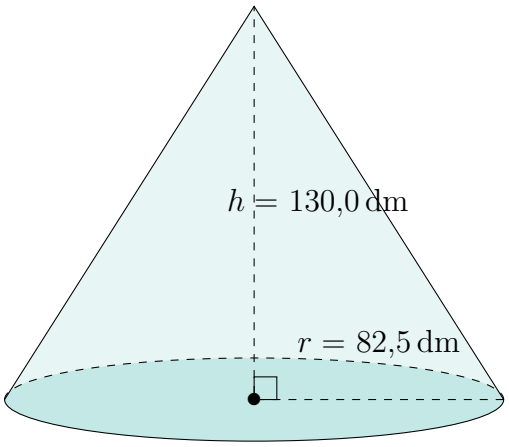


Aire et Volume d'un Cône (I) Réponses

Calculez l'aire et le volume de chaque cône.

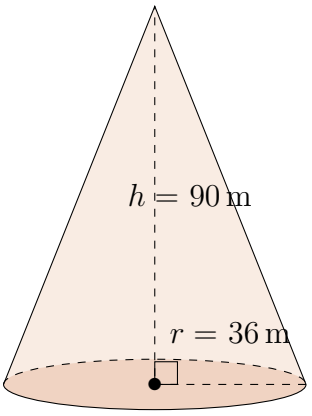
$$\text{Aire} = \pi r(r + \sqrt{h^2 + r^2}) \quad \text{Volume} = \pi r^2 \frac{h}{3}$$

1.



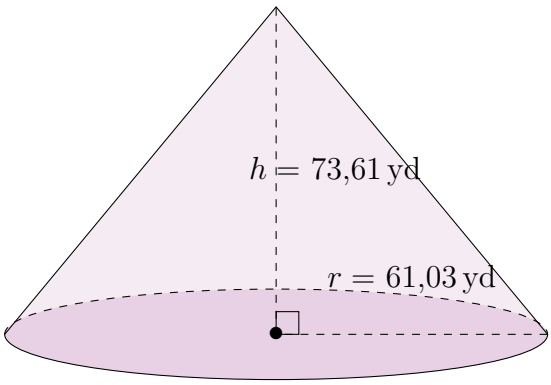
Aire: $61.288{,}2\,\text{dm}^2$
Volume: $926.573{,}5\,\text{dm}^3$

2.



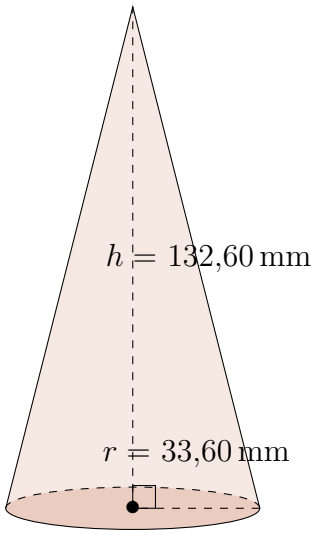
Aire: $15.034\,\text{m}^2$
Volume: $122.145\,\text{m}^3$

3.



Aire: $30.034{,}63\,\text{yd}^2$
Volume: $287.112{,}55\,\text{yd}^3$

4.



Aire: $17.986{,}03\,\text{mm}^2$
Volume: $156.765{,}57\,\text{mm}^3$