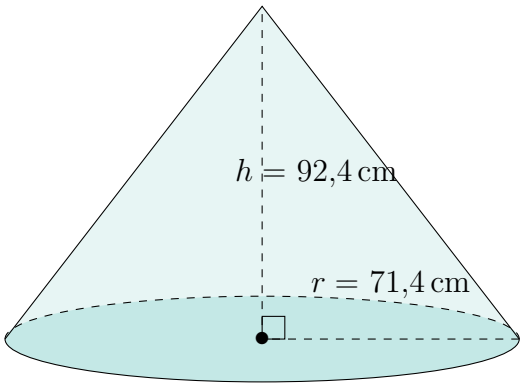
Aire et Volume d'un Cône (E)

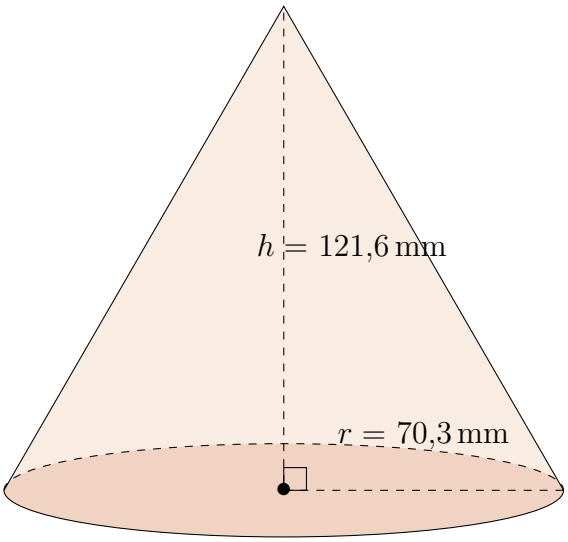
Calculez l'aire et le volume de chaque cône.

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

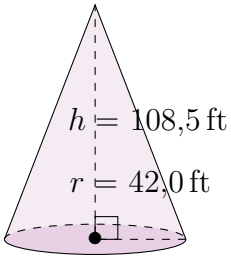
1.



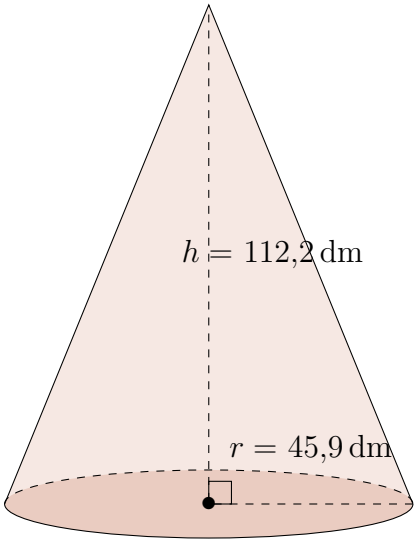
2.



3.



4.

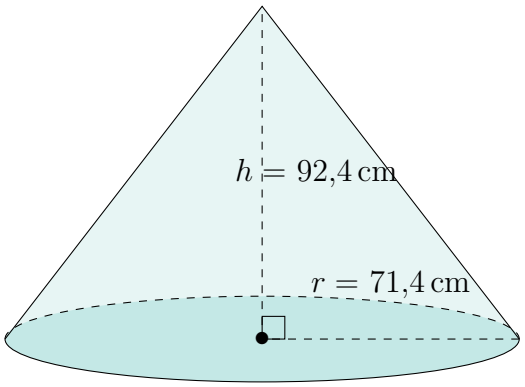


Aire et Volume d'un Cône (E) Réponses

Calculez l'aire et le volume de chaque cône.

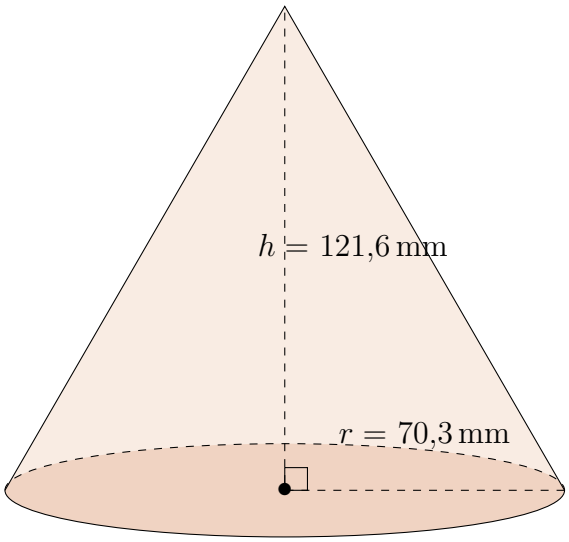
$$\text{Aire} = \pi r(r + \sqrt{h^2 + r^2}) \quad \text{Volume} = \pi r^2 \frac{h}{3}$$

1.



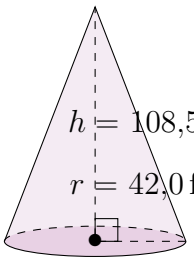
Aire: $42.208{,}8\,\text{cm}^2$
Volume: $493.284{,}0\,\text{cm}^3$

2.



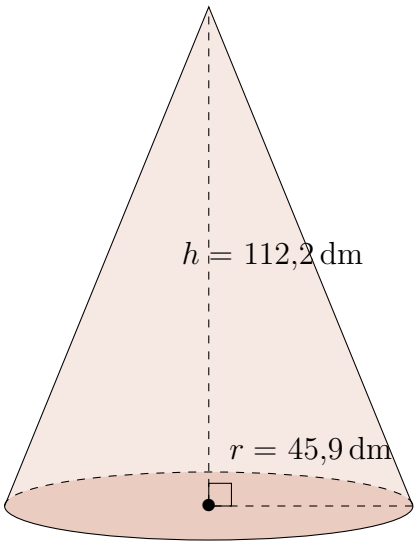
Aire: $46.546{,}9\,\text{mm}^2$
Volume: $629.321{,}9\,\text{mm}^3$

3.



Aire: $20.893{,}2\,\text{ft}^2$
Volume: $200.427{,}3\,\text{ft}^3$

4.



Aire: $24.099{,}4\,\text{dm}^2$
Volume: $247.540{,}8\,\text{dm}^3$