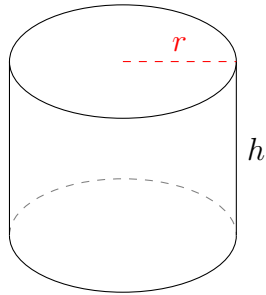


Aire et Volume des Cylindres (E)

Calculez l'aire et le volume pour chaque cylindre.

$$\text{Aire} = (\pi r^2 \times 2) + (\pi d \times h) \quad \text{Volume} = \pi r^2 \times h \quad d = 2r$$

1.

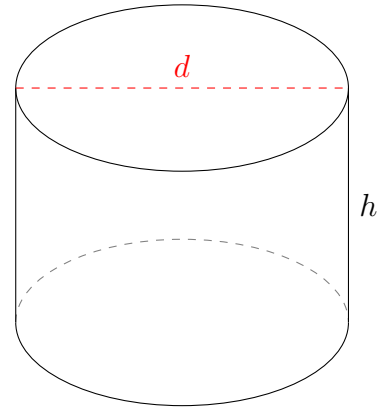


$$r = 1,5 \text{ po} \quad h = 2,3 \text{ po}$$

Aire =

Volume =

2.

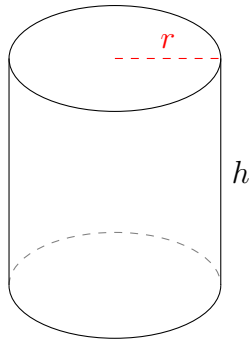


$$d = 4,4 \text{ nm} \quad h = 3,1 \text{ nm}$$

Aire =

Volume =

3.

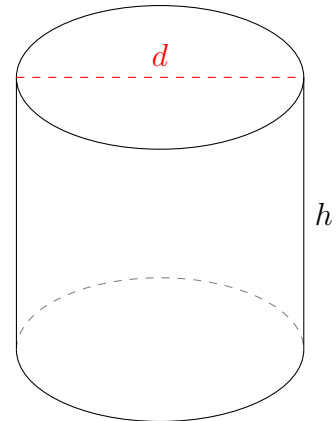


$$r = 1,4 \text{ hm} \quad h = 3 \text{ hm}$$

Aire =

Volume =

4.



$$d = 3,8 \text{ km} \quad h = 3,6 \text{ km}$$

Aire =

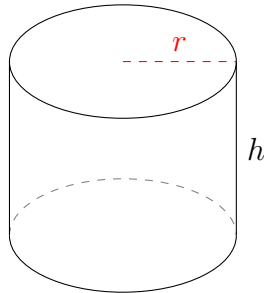
Volume =

Aire et Volume des Cylindres (E) Réponses

Calculez l'aire et le volume pour chaque cylindre.

$$\text{Aire} = (\pi r^2 \times 2) + (\pi d \times h) \quad \text{Volume} = \pi r^2 \times h \quad d = 2r$$

1.

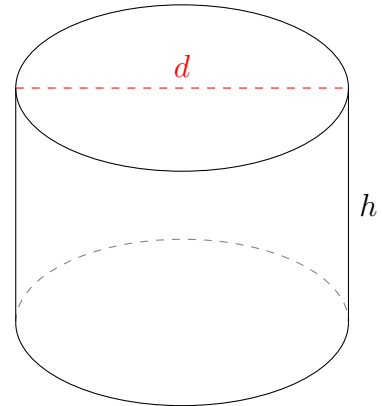


$$r = 1,5 \text{ po} \quad h = 2,3 \text{ po}$$

$$\text{Aire} = 35,81 \text{ po}^2$$

$$\text{Volume} = 16,26 \text{ po}^3$$

2.

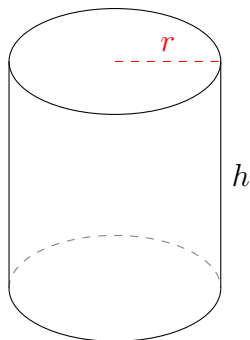


$$d = 4,4 \text{ nm} \quad h = 3,1 \text{ nm}$$

$$\text{Aire} = 73,26 \text{ nm}^2$$

$$\text{Volume} = 47,14 \text{ nm}^3$$

3.

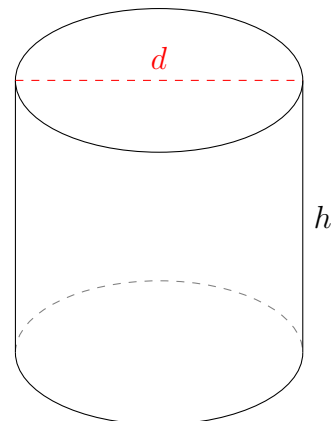


$$r = 1,4 \text{ hm} \quad h = 3 \text{ hm}$$

$$\text{Aire} = 38,7 \text{ hm}^2$$

$$\text{Volume} = 18,47 \text{ hm}^3$$

4.



$$d = 3,8 \text{ km} \quad h = 3,6 \text{ km}$$

$$\text{Aire} = 65,66 \text{ km}^2$$

$$\text{Volume} = 40,83 \text{ km}^3$$