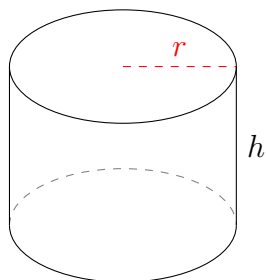


Aire et Volume des Cylindres (D)

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.

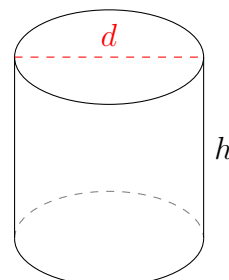


$$r = 4,5 \text{ mi} \quad h = 6,3 \text{ mi}$$

Aire =

Volume =

2.

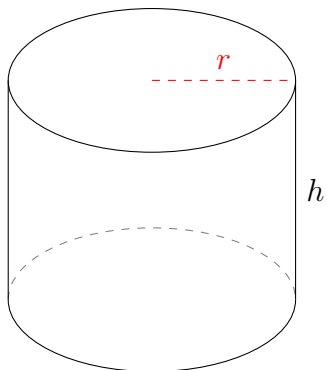


$$d = 5 \text{ hm} \quad h = 4,8 \text{ hm}$$

Aire =

Volume =

3.

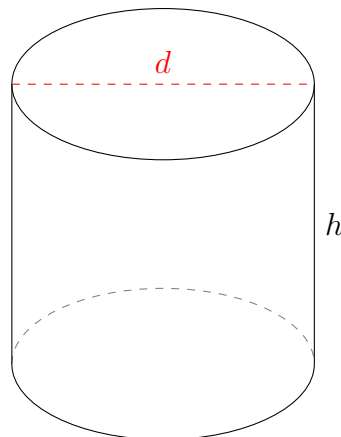


$$r = 5,7 \text{ mm} \quad h = 8,7 \text{ mm}$$

Aire =

Volume =

4.



$$d = 12 \text{ mm} \quad h = 11,1 \text{ mm}$$

Aire =

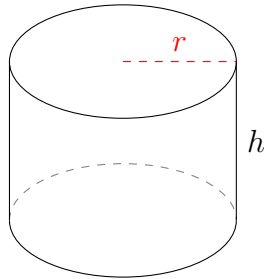
Volume =

Aire et Volume des Cylindres (D) 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.

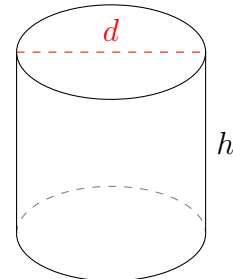


$$r = 4,5 \text{ mi} \quad h = 6,3 \text{ mi}$$

$$\text{Aire} = 305,36 \text{ mi}^2$$

$$\text{Volume} = 400,79 \text{ mi}^3$$

2.

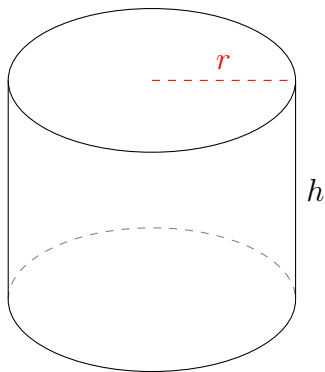


$$d = 5 \text{ hm} \quad h = 4,8 \text{ hm}$$

$$\text{Aire} = 114,67 \text{ hm}^2$$

$$\text{Volume} = 94,25 \text{ hm}^3$$

3.

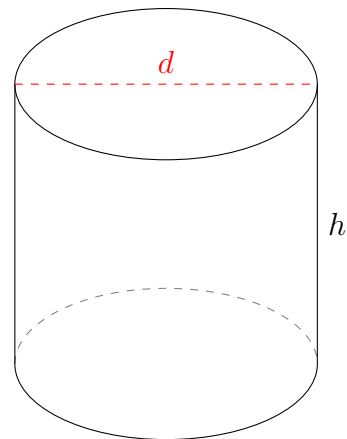


$$r = 5,7 \text{ mm} \quad h = 8,7 \text{ mm}$$

$$\text{Aire} = 515,72 \text{ mm}^2$$

$$\text{Volume} = 888,01 \text{ mm}^3$$

4.



$$d = 12 \text{ mm} \quad h = 11,1 \text{ mm}$$

$$\text{Aire} = 644,65 \text{ mm}^2$$

$$\text{Volume} = 1255,38 \text{ mm}^3$$