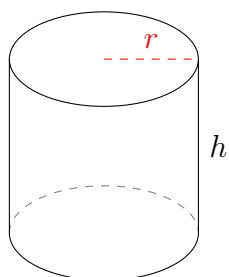


# Aire et Volume des Cylindres (I)

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.

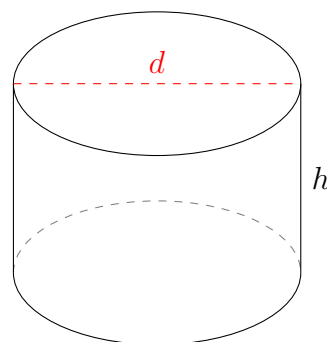


$$r = 3,75 \text{ mm} \quad h = 6,9 \text{ mm}$$

Aire =

Volume =

2.

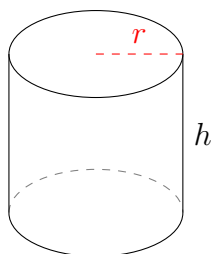


$$d = 7,6 \text{ cm} \quad h = 5 \text{ cm}$$

Aire =

Volume =

3.

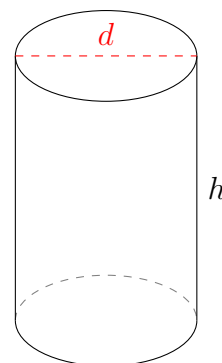


$$r = 3,45 \text{ dam} \quad h = 6,3 \text{ dam}$$

Aire =

Volume =

4.



$$d = 2,4 \text{ mm} \quad h = 3,5 \text{ mm}$$

Aire =

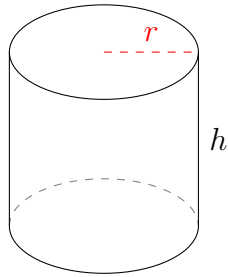
Volume =

# Aire et Volume des Cylindres (I) 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.

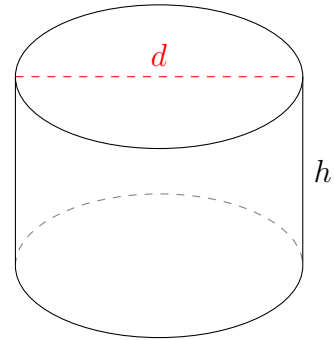


$$r = 3,75 \text{ mm} \quad h = 6,9 \text{ mm}$$

$$\text{Aire} = 250,93 \text{ mm}^2$$

$$\text{Volume} = 304,83 \text{ mm}^3$$

2.

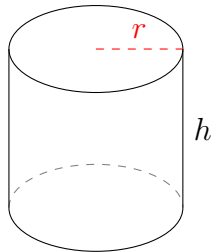


$$d = 7,6 \text{ cm} \quad h = 5 \text{ cm}$$

$$\text{Aire} = 210,11 \text{ cm}^2$$

$$\text{Volume} = 226,82 \text{ cm}^3$$

3.

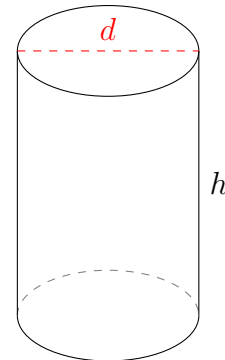


$$r = 3,45 \text{ dam} \quad h = 6,3 \text{ dam}$$

$$\text{Aire} = 211,35 \text{ dam}^2$$

$$\text{Volume} = 235,57 \text{ dam}^3$$

4.



$$d = 2,4 \text{ mm} \quad h = 3,5 \text{ mm}$$

$$\text{Aire} = 35,44 \text{ mm}^2$$

$$\text{Volume} = 15,83 \text{ mm}^3$$