

Les solides et les volumes

Exercice 11 : conversions de volumes

1. Recopie et complète.

- a.** $4 \text{ dam}^2 = \dots \text{ m}^2$ **e.** $5,2 \text{ km}^2 = \dots \text{ m}^2$
b. $15 \text{ hm}^2 = \dots \text{ m}^2$ **f.** $0,7 \text{ m}^2 = \dots \text{ dam}^2$
c. $5,1 \text{ cm}^2 = \dots \text{ mm}^2$ **g.** $320 \text{ a} = \dots \text{ m}^2$
d. $1\,350 \text{ mm}^2 = \dots \text{ cm}^2$ **h.** $2,5 \text{ ha} = \dots \text{ m}^2$
i. $15\,300 \text{ mm}^2 = \dots \text{ cm}^2 = \dots \text{ dm}^2 = \dots \text{ m}^2$

2. Convertis les aires suivantes en m^2 .

- a.** 2 km^2 **d.** $153,7 \text{ dam}^2$ **g.** 52 a
b. $37\,000 \text{ dm}^2$ **e.** $28,9 \text{ cm}^2$ **h.** $0,05 \text{ ha}$
c. $45\,300 \text{ mm}^2$ **f.** $3,008 \text{ hm}^2$ **i.** 200 ha

3. Convertis les aires suivantes en cm^2 .

- a.** 15 mm^2 **d.** $73,1 \text{ m}^2$ **g.** $0,08 \text{ mm}^2$
b. 28 dm^2 **e.** $0,004 \text{ m}^2$ **h.** 13 a
c. $17\,300 \text{ mm}^2$ **f.** $27,008 \text{ dam}^2$ **i.** $0,0105 \text{ a}$

4.

Effectue les conversions suivantes.

- a.** $12 \text{ m}^3 = \dots \text{ dm}^3$ **d.** $0,75 \text{ m}^3 = \dots \text{ dm}^3$
b. $10 \text{ mm}^3 = \dots \text{ dm}^3$ **e.** $12\,426 \text{ mm}^3 = \dots \text{ cm}^3$
c. $1\,200 \text{ dm}^3 = \dots \text{ m}^3$ **f.** $25,7 \text{ cm}^3 = \dots \text{ mm}^3$

5.

Effectue les conversions suivantes.

- a.** $127 \text{ mL} = \dots \text{ L}$ **e.** $0,051 \text{ L} = \dots \text{ cL}$
b. $752,3 \text{ hL} = \dots \text{ L}$ **f.** $25 \text{ dL} = \dots \text{ cL}$
c. $132 \text{ cL} = \dots \text{ L}$ **g.** $0,3 \text{ cL} = \dots \text{ dL}$
d. $\frac{1}{2} \text{ L} = 50 \dots$ **h.** $\frac{1}{4} \text{ L} = 2,5 \dots$

6.

Effectue les conversions suivantes.

- a.** $12 \text{ L} = \dots \text{ dm}^3$ **e.** $1 \text{ m}^3 = \dots \text{ L}$
b. $0,3 \text{ L} = \dots \text{ cm}^3$ **f.** $24 \text{ dm}^3 = \dots \text{ cL}$
c. $40 \text{ mL} = \dots \text{ dm}^3$ **g.** $12,9 \text{ dm}^3 = \dots \text{ mL}$
d. $1,8 \text{ hL} = 0,180 \dots$ **h.** $42,1 \text{ m}^3 = 421 \dots$