CORRIGÉ — ATELIER G

Le grand rangement

Question 1 — le rangement

On convertit tout en dm^2 :

$350\ \text{cm}^2 = 3{,}5\ \text{dm}^2$ $\quad 2{,}5\ \text{m}^2 = 250\ \text{dm}^2$ $\quad 48\ \text{dm}^2$

$1\,500\ \text{cm}^2 = 15\ \text{dm}^2$ $\quad 0{,}9\ \text{m}^2 = 90\ \text{dm}^2$ $\quad 6\,200\ \text{cm}^2 = 62\ \text{dm}^2$

$7{,}2\ \text{dm}^2$ $\quad 0{,}08\ \text{m}^2 = 8\ \text{dm}^2$ $\quad 980\ \text{cm}^2 = 9{,}8\ \text{dm}^2$

$0{,}3\ \text{dm}^2$

Ordre croissant :

$0{,}3\ \text{dm}^2 < 350\ \text{cm}^2 < 7{,}2\ \text{dm}^2 < 0{,}08\ \text{m}^2 < 980\ \text{cm}^2 < 1\,500\ \text{cm}^2 < 48\ \text{dm}^2 < 6\,200\ \text{cm}^2 < 0{,}9\ \text{m}^2 < 2{,}5\ \text{m}^2$

Question 2 — la chambre de Masson

On convertit tout en m^2 : $250\ \text{dm}^2 = 2{,}5\ \text{m}^2$ et $150\ \text{dm}^2 = 1{,}5\ \text{m}^2$.

$2{,}5 + 1{,}5 + 3{,}5 + 4 = 11{,}5$

L'aire de la chambre de Masson est **$11{,}5\ \text{m}^2$**.

Question 3 — les unités manquantes

250 **cm^2** $+ 3\ \text{dm}^2 = 5{,}5\ \text{dm}^2$, car $250\ \text{cm}^2 = 2{,}5\ \text{dm}^2$ et $2{,}5 + 3 = 5{,}5$.

$0{,}4$ **dm^2** $+ 10$ **cm^2** $= 0{,}5\ \text{dm}^2$, car $10\ \text{cm}^2 = 0{,}1\ \text{dm}^2$ et $0{,}4 + 0{,}1 = 0{,}5$.

7 **dm^2** $+ 350$ **dm^2** $= 3{,}57\ \text{m}^2$, car $7 + 350 = 357$ et $357\ \text{dm}^2 = 3{,}57\ \text{m}^2$.

Pour faire valider : montrer la correction au stylo vert.