

CONVERSIONS

Correction 1

	km	hm	dam	m	dm	cm	mm
351 cm				3,	5	1	3,51 m
54,7 hm	5	4	7	0			5470 m
0,354 m					3	5	354 mm
7541 cm			7,	5	4	1	7,541 dam
0,75 km		7	5	0			750 m

Correction 2

1. a. $52,5 \text{ hm} = 5250 \text{ m}$ b. $351 \text{ dm} = 3,51 \text{ dam}$
 c. $0,024 \text{ km} = 24 \text{ m}$ d. $82 \text{ cm} = 0,82 \text{ m}$
 e. $0,0312 \text{ dam} = 312 \text{ mm}$ f. $10,14 \text{ dm} = 0,01014 \text{ hm}$
2. a. $\left. \begin{array}{l} 3 \text{ m} \\ 5 \text{ cm} = 0,05 \text{ m} \end{array} \right\} \rightsquigarrow 3,05 \text{ m}$
 b. $\left. \begin{array}{l} 0,02 \text{ km} = 20 \text{ m} \\ 320 \text{ mm} = 0,32 \text{ m} \end{array} \right\} \rightsquigarrow 20,32 \text{ m}$
 c. $\left. \begin{array}{l} 0,37 \text{ dam} = 3,7 \text{ m} \\ 3,87 \text{ hm} = 387 \text{ m} \end{array} \right\} \rightsquigarrow 390,7 \text{ m}$

Correction 3

Effectuons les conversions des longueurs en centimètres :

- $1,5 \text{ m} = 150 \text{ cm}$ ● $12 \text{ dm} = 120 \text{ cm}$
- 75 cm ● $8,2 \text{ dm} = 82 \text{ cm}$
- 55 cm ● $13,7 \text{ dm} = 137 \text{ cm}$

Posons l'opération :

$$\begin{array}{r} 150 \\ + 120 \\ + 75 \\ + 82 \\ + 55 \\ + 137 \\ \hline 619 \end{array}$$

Cette ligne brisée a pour mesure 619 cm.

Correction 4

- a. $2,9 \text{ dm} = 29 \text{ cm}$ b. $0,462 \text{ km} = 462 \text{ m}$
 c. $0,12 \text{ dam} = 0,012 \text{ km}$ d. $38,15 \text{ hm} = 3,815 \text{ km}$
 e. $0,0305 \text{ m} = 305 \text{ mm}$ f. $32,5 \text{ dm} = 0,325 \text{ m}$

Correction 5

	km ²	hm ²	dam ²	m ²	dm ²	cm ²	mm ²	
22 cm ²						2 2	0 0	mm ²
54,7 m ²		0, 0 0	5 4	7				hm ²
57 m ²			0, 5 7					dam ²
7541 dam ²	0, 7 5	4 1						km ²
0,0451 km ²	0 0 4	5 1	0 0,					m ²

Ainsi, on a les conversions suivantes :

- a. $22 \text{ cm}^2 = 2\,200 \text{ mm}^2$ b. $54,7 \text{ m}^2 = 0,005\,47 \text{ hm}^2$
 c. $57 \text{ m}^2 = 0,57 \text{ dam}^2$ d. $7\,541 \text{ dam}^2 = 0,7541 \text{ km}^2$
 e. $0,0451 \text{ km}^2 = 45\,100 \text{ m}^2$

Correction 6

- a. $450 \text{ m}^2 = 4,5 \text{ dam}^2$ b. $35,1 \text{ cm}^2 = 0,351 \text{ dm}^2$
 c. $6,12 \text{ dm}^2 = 0,000\,612 \text{ dam}^2$ d. $6,5 \text{ hm}^2 = 65\,000 \text{ m}^2$
 e. $0,003\,5 \text{ km}^2 = 3\,500 \text{ m}^2$ f. $354 \text{ dm}^2 = 0,0354 \text{ dam}^2$

Correction 7

- a. $56\,830 \text{ cm}^2 = 5,683 \text{ m}^2$ b. $7 \text{ dam}^2 = 700 \text{ m}^2$
 c. $46\,000 \text{ m}^2 = 0,046 \text{ km}^2$ d. $3,5 \text{ km}^2 = 3\,500\,000 \text{ m}^2$
 e. $3 \text{ m}^2 = 30\,000 \text{ cm}^2$ f. $0,0071 \text{ km}^2 = 7\,100 \text{ m}^2$
 g. $0,68 \text{ cm}^2 = 68 \text{ mm}^2$ h. $1,8 \text{ km}^2 = 180 \text{ hm}^2$