

Solutions des exercices *Je revois* (p. 326)**1**

- a. $3 \text{ cm} + 5 \text{ cm} + 18 \text{ cm} = 26 \text{ cm}$
 b. $2 \text{ dm} + 4 \text{ cm} + 1 \text{ dm}$
 $= 20 \text{ cm} + 4 \text{ cm} + 10 \text{ cm} = 34 \text{ cm}$
 c. $1 \text{ m} + 10 \text{ dm} + 100 \text{ cm}$
 $= 10 \text{ dm} + 10 \text{ dm} + 10 \text{ dm} = 30 \text{ dm}$
 d. $2 \text{ m} + 2 \text{ cm} = 20 \text{ dm} + 0,2 \text{ dm} = 20,2 \text{ dm}$
 e. $1 \text{ km} + 150 \text{ m} + 2 \text{ dm}$
 $= 1\,000 \text{ m} + 150 \text{ m} + 0,2 \text{ m} = 1\,150,2 \text{ m}$

2

- a. $\mathcal{P} = 2 \times (AB + BC) = 2 \times (6 + 4)$
 $= 2 \times 10 = 20 \text{ cm}$
 $\mathcal{A} = AB \times BC = 6 \times 4 = 24 \text{ cm}^2$
 b. $\mathcal{P} = 2 \times (IJ + JK) = 2 \times (6,5 + 2,5)$
 $= 2 \times 9 = 18 \text{ cm}$
 $\mathcal{A} = \frac{IJ \times IK}{2} = \frac{6,5 \times 2,5}{2} = 8,125 \text{ cm}^2$
 c. $\mathcal{P} = 4 \times 5 = 20 \text{ dm}$
 $\mathcal{A} = 5 \times 5 = 25 \text{ dm}^2$

3

- a. $12 \text{ dm}^3 = 12 \text{ L}$
 b. $12 \text{ dm}^3 = 12\,000 \text{ mL}$
 c. $3,5 \text{ m}^3 = 3\,500 \text{ L}$
 d. $3,5 \text{ m}^3 = 350\,000 \text{ cL}$
 e. $49 \text{ L} = 49\,000 \text{ cm}^3$
 f. $49 \text{ L} = 0,049 \text{ m}^3$
 g. $2,7 \text{ cL} = 27\,000 \text{ mm}^3$
 h. $2,7 \text{ cL} = 27 \text{ cm}^3$

4

- a. $\mathcal{V} = 1 + 4 + 3 + 5 = 13 \text{ cubes}$
 b. $\mathcal{V} = 1 + 1 + 3 + 6 = 11 \text{ cubes}$
 c. $\mathcal{V} = 1 + 2 + 7 + 3 = 13 \text{ cubes}$

5

- a. $53 \text{ m}^3 = 53\,000 \text{ L}$
 b. Aire de la base du pavé $= 1 \times 1 = 1 \text{ m}^2$
 $h = 53 \div 1 = 53 \text{ m}$
 L'eau s'élèverait à 53 m de hauteur.

6

- a. $\mathcal{P} = AB + BC + DE + \pi \times DC$
 $= 3 + 2 + 1 + \pi \times 2 = 6 + 2\pi \approx 12 \text{ cm}$
 b. $\mathcal{A} = \mathcal{A}_{ABCD} + \mathcal{A}_{\text{disque}} = 3 \times 2 + \pi \times 1^2$
 $= 6 + \pi \approx 9 \text{ cm}^2$