

Contrôle divisions: corrigé

Exercice 1

$$1.) \begin{array}{r} 234 \\ -205 \\ \hline 3 \end{array}$$

$$\begin{array}{l} 23 \div 4 = 5 \text{ reste } 3 \\ (23 = 4 \times 5 + 3) \end{array}$$

$$2.) \begin{array}{r} 105 | 5 \\ -10 \\ \hline 05 \\ -5 \\ \hline 0 \end{array}$$

$$\begin{array}{l} 105 \div 5 = 21 \text{ reste } 0 \\ 105 = 5 \times 21 + 0 \end{array}$$

$$3.) \begin{array}{r} 532324 | 10 \\ -50 \\ \hline 32 \\ -30 \\ \hline 23 \\ -20 \\ \hline 32 \\ -30 \\ \hline 24 \\ -20 \\ \hline 4 \end{array}$$

$$\begin{array}{l} 532324 \div 10 = 53232 \text{ reste } 4 \\ 532324 = 10 \times 53232 + 4 \end{array}$$

Exercice 2

$$\begin{array}{r} 57 | 7 \\ -56 \\ \hline 1 \end{array}$$

Il restera un seul pain au chocolat après partage.

### Exercice 3

$$1) \begin{array}{r} 5438 \\ -48 \\ \hline 63 \\ -56 \\ \hline 70 \\ -64 \\ \hline 60 \\ -56 \\ \hline 40 \\ -40 \\ \hline 0 \end{array} \quad \begin{array}{r} 67,875 \\ \hline 543 \div 8 = 67,875 \end{array}$$

$$2) \begin{array}{r} 12,00 \\ -0,1 \\ \hline 120 \\ -100 \\ \hline 200 \\ -200 \\ \hline 0 \end{array} \quad \begin{array}{r} 25 \\ \hline 0,48 \\ 1200 \div 25 = 0,48 \end{array}$$

$$3) \begin{array}{r} 102 \\ -99 \\ \hline 30 \\ -22 \\ \hline 80 \\ -77 \\ \hline 30 \\ -22 \\ \hline 8 \end{array} \quad \begin{array}{r} 11 \\ \hline 9,2727... \\ 102 \div 11 = 9,2727... \end{array}$$

### Exercice 4

$$\begin{array}{r} 1250 \\ -8 \\ \hline 45 \\ -40 \\ \hline 50 \\ -48 \\ \hline 2,0 \\ -16 \\ \hline 40 \\ -40 \\ \hline 0 \end{array} \quad \begin{array}{r} 8 \\ \hline 156,25 \end{array}$$

Chaque personne recevra 156 € 25.

### Exercice 5

Le huitième de disque apparaîtra:  $\frac{\pi \times 10\text{cm} \times 10\text{cm}}{8}$

$$\text{Donc } A = \frac{100}{8} \times \pi \text{ cm}^2 = 12,5 \times \pi \text{ cm}^2.$$

Une valeur approchée est  $12,5 \times 3,1416 \text{ cm}^2 = 39,27 \text{ cm}^2$   
donc  $A \approx 3927 \text{ mm}^2$ .