



Prénom : _____

Date : _____

Calcul : Multiplication

CM2

Fiche d'exercices n° 3

La multiplication de nombres entiers



Exercice 1 : Observe l'exemple. Continue les calculs.

$18 \times 5 = (10 \times 5) + (8 \times 5) = 50 + 40 = \underline{\hspace{2cm}}$

$13 \times 6 = (\underline{\hspace{1cm}} \times \underline{\hspace{1cm}}) + (\underline{\hspace{1cm}} \times \underline{\hspace{1cm}}) = \underline{\hspace{1cm}} + \underline{\hspace{1cm}} = \underline{\hspace{2cm}}$

$37 \times 3 = (\underline{\hspace{1cm}} \times \underline{\hspace{1cm}}) + (\underline{\hspace{1cm}} \times \underline{\hspace{1cm}}) = \underline{\hspace{1cm}} + \underline{\hspace{1cm}} = \underline{\hspace{2cm}}$



Exercice 2 : Observe l'exemple. Continue les calculs.

$354 \times 3 = (300 \times 3) + (50 \times 3) + (4 \times 3) = \underline{\hspace{1cm}} + \underline{\hspace{1cm}} + \underline{\hspace{1cm}} = \underline{\hspace{2cm}}$

$684 \times 6 = \underline{\hspace{4cm}}$



Exercice 3 : Effectue les calculs en décomposant.

$286 \times 32 = (286 \times 30) + (286 \times 2) = \underline{\hspace{2cm}} + \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$

$354 \times 18 = \underline{\hspace{4cm}}$

$273 \times 124 = \underline{\hspace{4cm}}$



Exercice 4 : Utilise trois de ces résultats pour calculer 286×123 .

- $286 \times 10 = 2\ 860$
- $286 \times 100 = 28\ 600$
- $286 \times 2 = 572$
- $286 \times 20 = 5\ 720$
- $286 \times 3 = 858$
- $286 \times 30 = 8\ 580$

$$\begin{array}{r}
 286 \\
 \times 123 \\
 \hline
 \dots\dots\dots \\
 \dots\dots\dots \\
 \dots\dots\dots \\
 \hline
 \dots\dots\dots
 \end{array}$$



Exercice 5 : Utilise ces résultats pour calculer les deux multiplications.

$524 \times 8 = 4\ 192$

$524 \times 80 = 41\ 920$

$524 \times 5 = 2\ 620$

$524 \times 50 = 26\ 200$

$$524 \times 58 = \underline{\hspace{2cm}} + \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$$

$$524 \times 85 = \underline{\hspace{2cm}} + \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$$



Exercice 6 : Effectue les multiplications.

$$\begin{array}{r} 1583 \\ \times 28 \\ \hline \dots\dots\dots \\ \hline \dots\dots\dots \\ \hline \dots\dots\dots \end{array}$$

$$\begin{array}{r} 2453 \\ \times 265 \\ \hline \dots\dots\dots \\ \hline \dots\dots\dots \\ \hline \dots\dots\dots \\ \hline \dots\dots\dots \end{array}$$



Exercice 7 : Complète les multiplications.

$$\begin{array}{r} 154 \\ \times 3\bullet \\ \hline 308 \\ \bullet\bullet\bullet 0 \\ \hline \bullet\bullet\bullet 8 \end{array}$$

$$\begin{array}{r} 5\bullet\bullet \\ \times \bullet 3 \\ \hline \bullet\bullet 08 \\ \bullet\bullet 720 \\ \hline \bullet\bullet\bullet\bullet\bullet \end{array}$$