

# La division posée

♦ Compétence : Maîtriser les techniques de calcul posé.

♦ Objectif : Être capable de diviser des nombres entiers par des nombres inférieurs et supérieurs à 10.

## Je révise

### 1. Effectue ces divisions.

AIDE
$8 \times 1 = 8$
$8 \times 2 = 16$
$8 \times 3 = 24$
$8 \times 4 = 32$
$8 \times 5 = 40$
$8 \times 6 = 48$
$8 \times 7 = 56$
$8 \times 8 = 64$
$8 \times 9 = 72$
$8 \times 10 = 80$

$$\begin{array}{r}
 \begin{array}{r}
 \overbrace{7}^{\text{1}} \overbrace{9}^{\text{2}} \overbrace{8}^{\text{3}} \overbrace{3}^{\text{4}} \\
 - \overbrace{7}^{\text{1}} \overbrace{2}^{\text{2}} \downarrow \\
 \overbrace{0}^{\text{1}} \overbrace{7}^{\text{2}} \overbrace{8}^{\text{3}} \\
 - \overbrace{7}^{\text{1}} \overbrace{2}^{\text{2}} \downarrow \\
 \overbrace{0}^{\text{1}} \overbrace{5}^{\text{2}} \overbrace{6}^{\text{3}} \overbrace{1}^{\text{4}} \\
 - \overbrace{5}^{\text{1}} \overbrace{6}^{\text{2}} \\
 \hline
 \overbrace{0}^{\text{1}} \overbrace{7}^{\text{2}}
 \end{array}
 \end{array}$$

Le reste doit être plus petit que le diviseur.

$$\begin{array}{r}
 \begin{array}{r}
 \overbrace{9}^{\text{1}} \overbrace{0}^{\text{2}} \overbrace{6}^{\text{3}} \overbrace{1}^{\text{4}} \\
 - \overbrace{8}^{\text{1}} \downarrow \\
 \overbrace{1}^{\text{1}} \overbrace{0}^{\text{2}} \\
 - \overbrace{8}^{\text{1}} \downarrow \\
 \overbrace{2}^{\text{1}} \overbrace{6}^{\text{2}} \\
 - \overbrace{2}^{\text{1}} \overbrace{4}^{\text{2}} \downarrow \\
 \overbrace{0}^{\text{1}} \overbrace{2}^{\text{2}} \overbrace{1}^{\text{3}} \\
 - \overbrace{2}^{\text{1}} \overbrace{0}^{\text{2}} \\
 \hline
 1
 \end{array}
 \end{array}$$

### 2. Calcule les résultats suivants :

$$\begin{array}{r}
 1 \times 63 = \textcolor{red}{63} \\
 2 \times 63 = \textcolor{red}{126} \\
 3 \times 63 = \textcolor{red}{189} \\
 4 \times 63 = \textcolor{red}{252} \\
 5 \times 63 = \textcolor{red}{315} \\
 6 \times 63 = \textcolor{red}{378} \\
 7 \times 63 = \textcolor{red}{441} \\
 8 \times 63 = \textcolor{red}{504} \\
 9 \times 63 = \textcolor{red}{567} \\
 10 \times 63 = \textcolor{red}{630}
 \end{array}$$

$$\begin{array}{r}
 1 \times 25 = \textcolor{red}{25} \\
 2 \times 25 = \textcolor{red}{50} \\
 3 \times 25 = \textcolor{red}{75} \\
 4 \times 25 = \textcolor{red}{100} \\
 5 \times 25 = \textcolor{red}{125} \\
 6 \times 25 = \textcolor{red}{150} \\
 7 \times 25 = \textcolor{red}{175} \\
 8 \times 25 = \textcolor{red}{200} \\
 9 \times 25 = \textcolor{red}{225} \\
 10 \times 25 = \textcolor{red}{250}
 \end{array}$$

### 3. À ton tour ! Effectue ces divisions en t'aidant des calculs que tu viens de faire.

$$\begin{array}{r}
 \begin{array}{r}
 \overbrace{2}^{\text{1}} \overbrace{4}^{\text{2}} \overbrace{1}^{\text{3}} \overbrace{8}^{\text{4}} \overbrace{2}^{\text{5}} \overbrace{5}^{\text{6}} \\
 - \overbrace{2}^{\text{1}} \overbrace{2}^{\text{2}} \overbrace{5}^{\text{3}} \downarrow \overbrace{9}^{\text{4}} \overbrace{6}^{\text{5}} \\
 \overbrace{0}^{\text{1}} \overbrace{1}^{\text{2}} \overbrace{6}^{\text{3}} \overbrace{8}^{\text{4}} \\
 - \overbrace{1}^{\text{1}} \overbrace{5}^{\text{2}} \overbrace{0}^{\text{3}} \\
 \hline
 \overbrace{0}^{\text{1}} \overbrace{1}^{\text{2}} \overbrace{8}^{\text{3}}
 \end{array}
 \end{array}$$
  

$$\begin{array}{r}
 \begin{array}{r}
 \overbrace{3}^{\text{1}} \overbrace{4}^{\text{2}} \overbrace{5}^{\text{3}} \overbrace{1}^{\text{4}} \overbrace{2}^{\text{5}} \overbrace{7}^{\text{6}} \overbrace{6}^{\text{7}} \overbrace{3}^{\text{8}} \\
 - \overbrace{3}^{\text{1}} \overbrace{1}^{\text{2}} \overbrace{5}^{\text{3}} \downarrow \overbrace{5}^{\text{4}} \overbrace{5}^{\text{5}} \\
 \overbrace{0}^{\text{1}} \overbrace{3}^{\text{2}} \overbrace{7}^{\text{3}} \overbrace{7}^{\text{4}} \\
 - \overbrace{3}^{\text{1}} \overbrace{1}^{\text{2}} \overbrace{5}^{\text{3}} \\
 \hline
 \overbrace{0}^{\text{1}} \overbrace{6}^{\text{2}} \overbrace{2}^{\text{3}}
 \end{array}
 \end{array}$$
  

$$\begin{array}{r}
 \begin{array}{r}
 \overbrace{1}^{\text{1}} \overbrace{7}^{\text{2}} \overbrace{5}^{\text{3}} \overbrace{3}^{\text{4}} \overbrace{9}^{\text{5}} \overbrace{2}^{\text{6}} \overbrace{5}^{\text{7}} \\
 - \overbrace{1}^{\text{1}} \overbrace{7}^{\text{2}} \downarrow \overbrace{7}^{\text{3}} \overbrace{3}^{\text{4}} \\
 \overbrace{0}^{\text{1}} \overbrace{0}^{\text{2}} \overbrace{8}^{\text{3}} \overbrace{9}^{\text{4}} \\
 - \overbrace{7}^{\text{1}} \overbrace{5}^{\text{2}} \\
 \hline
 \overbrace{1}^{\text{1}} \overbrace{4}^{\text{2}}
 \end{array}
 \end{array}$$