

## Opérations Mixtes (C)

## Complétez les exercices suivants

$$\begin{array}{r}
 + \frac{1}{8} \\
 + \frac{2}{4} \\
 + \frac{7}{0} \\
 - \frac{13}{7} \\
 + \frac{3}{0} \\
 - \frac{8}{5} \\
 - \frac{3}{2} \\
 + \frac{1}{5} \\
 - \frac{11}{7} \\
 + \frac{7}{8}
 \end{array}$$

$$-\begin{array}{r} 6 \\ 1 \end{array} +\begin{array}{r} 4 \\ 1 \end{array} +\begin{array}{r} 7 \\ 1 \end{array} -\begin{array}{r} 14 \\ 5 \end{array} -\begin{array}{r} 9 \\ 8 \end{array} +\begin{array}{r} 0 \\ 6 \end{array} -\begin{array}{r} 14 \\ 9 \end{array} +\begin{array}{r} 0 \\ 5 \end{array} +\begin{array}{r} 5 \\ 4 \end{array} -\begin{array}{r} 11 \\ 7 \end{array}$$

$$-\frac{7}{1} - \frac{10}{4} - \frac{6}{4} + \frac{5}{5} + \frac{5}{9} - \frac{16}{9} + \frac{2}{1} - \frac{12}{7} + \frac{5}{0} - \frac{5}{3}$$

$$+ \begin{array}{r} 5 \\ 4 \end{array} + \begin{array}{r} 0 \\ 2 \end{array} + \begin{array}{r} 7 \\ 8 \end{array} + \begin{array}{r} 0 \\ 4 \end{array} - \begin{array}{r} 9 \\ 1 \end{array} - \begin{array}{r} 9 \\ 9 \end{array} + \begin{array}{r} 0 \\ 9 \end{array} - \begin{array}{r} 7 \\ 5 \end{array} + \begin{array}{r} 6 \\ 0 \end{array} - \begin{array}{r} 10 \\ 9 \end{array}$$

$$-\frac{8}{1} - \frac{10}{5} + \frac{3}{4} + \frac{5}{1} - \frac{10}{8} + \frac{3}{8} + \frac{0}{0} + \frac{1}{2} - \frac{12}{6} - \frac{1}{1}$$

$$= \frac{4}{-3} + \frac{0}{9} - \frac{6}{0} + \frac{2}{0} + \frac{3}{0} = \frac{7}{7} + \frac{8}{4} + \frac{2}{1} + \frac{6}{3} + \frac{3}{1}$$

$$= \frac{5}{5} - \frac{11}{4} - \frac{9}{7} + \frac{8}{3} - \frac{12}{6} - \frac{13}{9} + \frac{1}{6} - \frac{13}{4} + \frac{7}{2} - \frac{8}{3}$$

$$= \frac{3}{0} - \frac{12}{8} + \frac{5}{7} + \frac{1}{7} + \frac{4}{4} = \frac{13}{8} - \frac{5}{5} - \frac{4}{1} + \frac{0}{4} + \frac{1}{2}$$

$$+ \begin{array}{r} 0 \\ 8 \end{array} - \begin{array}{r} 12 \\ 7 \end{array} - \begin{array}{r} 4 \\ 2 \end{array} - \begin{array}{r} 17 \\ 8 \end{array} + \begin{array}{r} 8 \\ 9 \end{array} + \begin{array}{r} 4 \\ 6 \end{array} + \begin{array}{r} 3 \\ 0 \end{array} - \begin{array}{r} 6 \\ 2 \end{array} + \begin{array}{r} 9 \\ 5 \end{array} - \begin{array}{r} 12 \\ 3 \end{array}$$

$$= \frac{12}{7} - \frac{1}{0} - \frac{15}{8} - \frac{10}{1} + \frac{6}{5} = \frac{11}{4} - \frac{16}{7} - \frac{12}{7} + \frac{2}{2} + \frac{8}{0}$$

# Opérations Mixtes Solutions (C)

Complétez les exercices suivants

$$\begin{array}{r}
 + \quad 1 & + \quad 2 & + \quad 7 & - \quad 13 & + \quad 3 & - \quad 8 & - \quad 3 & + \quad 1 & - \quad 11 & + \quad 7 \\
 \underline{+} \quad 8 & \underline{+} \quad 4 & \underline{+} \quad 0 & \underline{-} \quad 7 & \underline{+} \quad 0 & \underline{-} \quad 5 & \underline{-} \quad 2 & \underline{+} \quad 5 & \underline{-} \quad 7 & \underline{+} \quad 8 \\
 \hline
 9 & 6 & 7 & 6 & 3 & 3 & 1 & 6 & 4 & 15
 \end{array}$$
  

$$\begin{array}{r}
 - \quad 6 & + \quad 4 & + \quad 7 & - \quad 14 & - \quad 9 & + \quad 0 & - \quad 14 & + \quad 0 & + \quad 5 & - \quad 11 \\
 \underline{-} \quad 1 & \underline{+} \quad 1 & \underline{+} \quad 1 & \underline{-} \quad 5 & \underline{-} \quad 8 & \underline{+} \quad 6 & \underline{-} \quad 9 & \underline{+} \quad 5 & \underline{+} \quad 4 & \underline{-} \quad 7 \\
 \hline
 5 & 5 & 8 & 9 & 1 & 6 & 5 & 5 & 9 & 4
 \end{array}$$
  

$$\begin{array}{r}
 - \quad 7 & - \quad 10 & - \quad 6 & + \quad 5 & + \quad 5 & - \quad 16 & + \quad 2 & - \quad 12 & + \quad 5 & - \quad 5 \\
 \underline{-} \quad 1 & \underline{-} \quad 4 & \underline{-} \quad 4 & \underline{+} \quad 5 & \underline{+} \quad 9 & \underline{-} \quad 9 & \underline{+} \quad 1 & \underline{-} \quad 7 & \underline{+} \quad 0 & \underline{-} \quad 3 \\
 \hline
 6 & 6 & 2 & 10 & 14 & 7 & 3 & 5 & 5 & 2
 \end{array}$$
  

$$\begin{array}{r}
 + \quad 5 & + \quad 0 & + \quad 7 & + \quad 0 & - \quad 1 & - \quad 9 & + \quad 0 & - \quad 7 & + \quad 6 & - \quad 10 \\
 \underline{+} \quad 4 & \underline{+} \quad 2 & \underline{+} \quad 8 & \underline{+} \quad 4 & \underline{-} \quad 1 & \underline{-} \quad 9 & \underline{+} \quad 9 & \underline{-} \quad 5 & \underline{+} \quad 0 & \underline{-} \quad 9 \\
 \hline
 9 & 2 & 15 & 4 & 8 & 0 & 9 & 2 & 6 & 1
 \end{array}$$
  

$$\begin{array}{r}
 - \quad 8 & - \quad 10 & - \quad 3 & + \quad 5 & - \quad 10 & + \quad 3 & + \quad 0 & + \quad 1 & - \quad 12 & - \quad 1 \\
 \underline{-} \quad 1 & \underline{-} \quad 5 & \underline{+} \quad 4 & \underline{+} \quad 1 & \underline{-} \quad 8 & \underline{+} \quad 8 & \underline{+} \quad 0 & \underline{+} \quad 2 & \underline{-} \quad 6 & \underline{-} \quad 1 \\
 \hline
 7 & 5 & 7 & 6 & 2 & 11 & 0 & 3 & 6 & 0
 \end{array}$$
  

$$\begin{array}{r}
 - \quad 4 & + \quad 0 & - \quad 6 & + \quad 2 & + \quad 3 & - \quad 7 & + \quad 8 & + \quad 2 & + \quad 6 & + \quad 3 \\
 \underline{-} \quad 3 & \underline{+} \quad 9 & \underline{-} \quad 0 & \underline{+} \quad 0 & \underline{+} \quad 0 & \underline{-} \quad 7 & \underline{+} \quad 4 & \underline{+} \quad 1 & \underline{+} \quad 3 & \underline{+} \quad 1 \\
 \hline
 1 & 9 & 6 & 2 & 3 & 0 & 12 & 3 & 9 & 4
 \end{array}$$
  

$$\begin{array}{r}
 - \quad 5 & - \quad 11 & - \quad 9 & + \quad 8 & - \quad 12 & - \quad 13 & + \quad 1 & - \quad 13 & + \quad 7 & - \quad 8 \\
 \underline{-} \quad 5 & \underline{-} \quad 4 & \underline{-} \quad 7 & \underline{+} \quad 3 & \underline{-} \quad 6 & \underline{-} \quad 9 & \underline{+} \quad 6 & \underline{-} \quad 4 & \underline{+} \quad 2 & \underline{-} \quad 3 \\
 \hline
 0 & 7 & 2 & 11 & 6 & 4 & 7 & 9 & 9 & 5
 \end{array}$$
  

$$\begin{array}{r}
 - \quad 3 & - \quad 12 & + \quad 5 & + \quad 1 & + \quad 4 & - \quad 13 & - \quad 5 & - \quad 4 & + \quad 0 & + \quad 1 \\
 \underline{-} \quad 0 & \underline{-} \quad 8 & \underline{+} \quad 7 & \underline{+} \quad 7 & \underline{+} \quad 4 & \underline{-} \quad 8 & \underline{-} \quad 5 & \underline{-} \quad 3 & \underline{+} \quad 4 & \underline{+} \quad 2 \\
 \hline
 3 & 4 & 12 & 8 & 8 & 5 & 0 & 3 & 4 & 3
 \end{array}$$
  

$$\begin{array}{r}
 + \quad 0 & + \quad 12 & - \quad 4 & - \quad 17 & + \quad 8 & + \quad 4 & + \quad 3 & - \quad 6 & + \quad 9 & - \quad 12 \\
 \underline{+} \quad 8 & \underline{-} \quad 7 & \underline{-} \quad 2 & \underline{-} \quad 8 & \underline{+} \quad 9 & \underline{+} \quad 6 & \underline{+} \quad 0 & \underline{-} \quad 2 & \underline{+} \quad 5 & \underline{-} \quad 3 \\
 \hline
 8 & 5 & 2 & 9 & 17 & 10 & 3 & 4 & 14 & 9
 \end{array}$$
  

$$\begin{array}{r}
 - \quad 12 & - \quad 1 & - \quad 15 & - \quad 10 & + \quad 6 & - \quad 11 & - \quad 16 & - \quad 12 & + \quad 2 & - \quad 8 \\
 \underline{-} \quad 7 & \underline{-} \quad 0 & \underline{-} \quad 8 & \underline{-} \quad 1 & \underline{+} \quad 5 & \underline{-} \quad 4 & \underline{-} \quad 7 & \underline{-} \quad 5 & \underline{+} \quad 2 & \underline{+} \quad 0 \\
 \hline
 5 & 1 & 7 & 9 & 11 & 7 & 9 & 5 & 4 & 8
 \end{array}$$