

# Opérations Mixtes (J)

## Complétez les exercices suivants

$$\begin{array}{r}
 -\frac{8}{1} \\
 +\frac{6}{5} \\
 \hline
 +\frac{4}{3} \\
 \times \frac{10}{1} \\
 \hline
 -\frac{8}{5} \\
 -\frac{20}{9} \\
 \hline
 -\frac{14}{9} \\
 \times \frac{6}{3} \\
 \hline
 \times \frac{8}{6} \\
 +\frac{8}{3}
 \end{array}$$

$$\begin{array}{r}
 -12 \\
 -6 \\
 \hline
 -14
 \end{array}
 \quad
 \begin{array}{r}
 -12 \\
 -2 \\
 \hline
 \times 1
 \end{array}
 \quad
 \begin{array}{r}
 9 \\
 \times 8 \\
 \hline
 6
 \end{array}
 \quad
 \begin{array}{r}
 7 \\
 \times 5 \\
 \hline
 3
 \end{array}
 \quad
 \begin{array}{r}
 3 \\
 \times 4 \\
 \hline
 +11
 \end{array}
 \quad
 \begin{array}{r}
 12 \\
 +3 \\
 \hline
 8
 \end{array}
 \quad
 \begin{array}{r}
 9 \\
 \times 12 \\
 \hline
 \end{array}$$

$$\begin{array}{r}
 -12 \\
 -10 \\
 \hline
 -2
 \end{array}
 \quad
 \begin{array}{r}
 -8 \\
 -6 \\
 \hline
 -2
 \end{array}
 \quad
 \begin{array}{r}
 -13 \\
 -6 \\
 \hline
 -7
 \end{array}
 \quad
 \begin{array}{r}
 +10 \\
 +12 \\
 \hline
 +22
 \end{array}
 \quad
 \begin{array}{r}
 \times 10 \\
 \\
 \hline
 +220
 \end{array}
 \quad
 \begin{array}{r}
 -11 \\
 -8 \\
 \hline
 -19
 \end{array}
 \quad
 \begin{array}{r}
 -13 \\
 -12 \\
 \hline
 -25
 \end{array}
 \quad
 \begin{array}{r}
 +10 \\
 +3 \\
 \hline
 +13
 \end{array}
 \quad
 \begin{array}{r}
 -11 \\
 -1 \\
 \hline
 -10
 \end{array}
 \quad
 \begin{array}{r}
 +11 \\
 +6 \\
 \hline
 +17
 \end{array}$$

$$\begin{array}{r}
 + \ 6 \\
 + 11 \\
 \times \ 2 \\
 \times 4 \\
 \times 12 \\
 + \ 4 \\
 \times \ 2 \\
 \times 12 \\
 - \ 14 \\
 + 8 \\
 + 12 \\
 \times \ 9 \\
 \times 6 \\
 \times 10
 \end{array}$$

$$\begin{array}{ccccccccccccc} \times & 5 & & 5 & & - & 13 & & \times & 6 & & - & 14 & & \times & 12 & & \times & 8 & & + & 9 & & + & 4 & & + & 1 \\ \times & 5 & + & 4 & - & 6 & & \times & 1 & & - & 3 & & \times & 9 & & \times & 10 & & + & 10 & & + & 1 & & + & 5 \end{array}$$

$$+ \frac{12}{10} - \frac{12}{3} + \frac{3}{7} \times \frac{4}{12} - \frac{12}{1} - \frac{14}{2} + \frac{8}{2} + \frac{2}{3} - \frac{16}{12} + \frac{7}{11}$$

$$= \frac{9}{2} + \frac{5}{6} + \frac{2}{2} \times \frac{5}{12} - \frac{22}{11} - \frac{11}{8} + \frac{12}{9} \times \frac{12}{12} \times \frac{5}{10} - \frac{11}{1}$$

$$-\frac{14}{6} \times \frac{9}{7} = -\frac{13}{6} + \frac{1}{9} = -\frac{9}{5} = -\frac{10}{5} = -\frac{13}{5} \times \frac{11}{11} = -\frac{16}{11} = -\frac{13}{9}$$

$$-\frac{16}{5} + \frac{2}{8} + \frac{8}{3} - \frac{9}{4} \times \frac{12}{10} \times \frac{6}{2} - \frac{19}{12} - \frac{5}{4} + \frac{1}{9} \times \frac{4}{6}$$

$$\times \frac{11}{2} - \frac{21}{10} + \frac{1}{9} \times \frac{6}{8} \times \frac{8}{4} - \frac{9}{8} + \frac{9}{2} - \frac{18}{12} - \frac{13}{7} - \frac{5}{3}$$