

# Opérations Mixtes (J)

## Complétez les exercices suivants

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

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

$$\begin{array}{r}
 -12 \\
 -10 \\
 \hline
 -6
 \end{array}
 \quad
 \begin{array}{r}
 -8 \\
 -6 \\
 \hline
 -6
 \end{array}
 \quad
 \begin{array}{r}
 -13 \\
 -6 \\
 \hline
 +12
 \end{array}
 \quad
 \begin{array}{r}
 10 \\
 \times 10 \\
 \hline
 9
 \end{array}
 \quad
 \begin{array}{r}
 9 \\
 -8 \\
 \hline
 11
 \end{array}
 \quad
 \begin{array}{r}
 11 \\
 -12 \\
 \hline
 13
 \end{array}
 \quad
 \begin{array}{r}
 10 \\
 +3 \\
 \hline
 13
 \end{array}
 \quad
 \begin{array}{r}
 11 \\
 -1 \\
 \hline
 10
 \end{array}
 \quad
 \begin{array}{r}
 11 \\
 +6 \\
 \hline
 17
 \end{array}$$

$$\begin{array}{r}
 + \ 6 \qquad \times \ 2 \qquad \times \ 4 \qquad + \ 9 \qquad \times \ 1 \qquad \times \ 8 \qquad - \ 14 \qquad + \ 8 \qquad \times \ 9 \qquad \times \ 6 \\
 + 11 \qquad \times \ 4 \qquad \times \ 12 \qquad + \ 4 \qquad \times \ 2 \qquad \times \ 12 \qquad - \ 8 \qquad + \ 12 \qquad \times \ 6 \qquad \times \ 10
 \end{array}$$

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

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

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

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

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

$$\begin{array}{ccccccccccccc} \times & 11 & - & 21 & + & 1 & \times & 6 & \times & 8 & - & 9 & + & 9 & - & 18 & - & 13 & - & 5 \\ \times & 2 & - & 10 & + & 9 & \times & 8 & \times & 4 & - & 8 & + & 2 & - & 12 & - & 7 & - & 3 \end{array}$$

# Opérations Mixtes Solutions (J)

Complétez les exercices suivants

$$\begin{array}{r}
 - & 8 & + & 6 & + & 4 & \times & 10 & - & 8 & - & 20 & - & 14 & \times & 6 & \times & 8 & + & 8 \\
 \hline
 - & 1 & + & 5 & + & 3 & \times & 1 & - & 5 & - & 9 & - & 9 & \times & 3 & \times & 6 & + & 3 \\
 \hline
 & 7 & & 11 & & 7 & & 10 & & 3 & & 11 & & 5 & & 18 & & 48 & & 11
 \end{array}$$
  

$$\begin{array}{r}
 - & 12 & - & 14 & - & 12 & \times & 9 & \times & 6 & \times & 7 & \times & 3 & + & 12 & + & 8 & \times & 9 \\
 \hline
 - & 6 & - & 11 & - & 2 & \times & 1 & \times & 8 & \times & 5 & \times & 4 & + & 11 & + & 3 & \times & 12 \\
 \hline
 & 6 & & 3 & & 10 & & 9 & & 48 & & 35 & & 12 & & 23 & & 11 & & 108
 \end{array}$$
  

$$\begin{array}{r}
 - & 12 & - & 8 & - & 13 & + & 10 & \times & 9 & - & 11 & - & 13 & + & 10 & - & 11 & + & 11 \\
 \hline
 - & 10 & - & 6 & - & 6 & + & 12 & \times & 10 & - & 8 & - & 12 & + & 3 & - & 1 & + & 6 \\
 \hline
 & 2 & & 2 & & 7 & & 22 & & 90 & & 3 & & 1 & & 13 & & 10 & & 17
 \end{array}$$
  

$$\begin{array}{r}
 + & 6 & \times & 2 & \times & 4 & \times & 9 & \times & 1 & \times & 8 & \times & 14 & \times & 8 & \times & 9 & \times & 6 \\
 \hline
 + & 11 & \times & 4 & \times & 12 & \times & 4 & \times & 2 & \times & 12 & - & 8 & + & 12 & \times & 6 & \times & 10 \\
 \hline
 & 17 & & 8 & & 48 & & 13 & & 2 & & 96 & & 6 & & 20 & & 54 & & 60
 \end{array}$$
  

$$\begin{array}{r}
 \times & 5 & + & 5 & - & 13 & \times & 6 & - & 14 & \times & 12 & \times & 8 & + & 9 & + & 4 & + & 1 \\
 \hline
 \times & 5 & + & 4 & - & 6 & \times & 1 & - & 3 & \times & 9 & \times & 10 & + & 10 & + & 1 & + & 5 \\
 \hline
 & 25 & & 9 & & 7 & & 6 & & 11 & & 108 & & 80 & & 19 & & 5 & & 6
 \end{array}$$
  

$$\begin{array}{r}
 + & 12 & - & 12 & + & 3 & \times & 4 & - & 12 & - & 14 & \times & 8 & \times & 2 & - & 16 & + & 7 \\
 \hline
 + & 10 & - & 3 & + & 7 & \times & 12 & - & 1 & - & 2 & + & 2 & + & 3 & - & 12 & + & 11 \\
 \hline
 & 22 & & 9 & & 10 & & 48 & & 11 & & 12 & & 10 & & 5 & & 4 & & 18
 \end{array}$$
  

$$\begin{array}{r}
 - & 9 & + & 5 & + & 2 & \times & 5 & - & 22 & - & 11 & + & 12 & \times & 12 & \times & 5 & - & 11 \\
 \hline
 - & 2 & + & 6 & + & 2 & \times & 12 & - & 11 & - & 11 & - & 8 & + & 9 & \times & 10 & - & 1 \\
 \hline
 & 7 & & 11 & & 4 & & 60 & & 11 & & 3 & & 21 & & 144 & & 50 & & 10
 \end{array}$$
  

$$\begin{array}{r}
 - & 14 & \times & 9 & - & 13 & + & 1 & - & 9 & - & 10 & - & 13 & \times & 11 & - & 16 & - & 13 \\
 \hline
 - & 6 & \times & 7 & - & 6 & + & 9 & - & 5 & - & 5 & - & 5 & \times & 11 & - & 11 & - & 9 \\
 \hline
 & 8 & & 63 & & 7 & & 10 & & 4 & & 5 & & 8 & & 121 & & 5 & & 4
 \end{array}$$
  

$$\begin{array}{r}
 - & 16 & + & 2 & + & 8 & - & 9 & \times & 12 & \times & 6 & \times & 19 & \times & 5 & + & 1 & \times & 4 \\
 \hline
 - & 5 & + & 8 & + & 3 & - & 4 & \times & 10 & \times & 2 & - & 12 & - & 4 & + & 9 & \times & 6 \\
 \hline
 & 11 & & 10 & & 11 & & 5 & & 120 & & 12 & & 7 & & 1 & & 10 & & 24
 \end{array}$$
  

$$\begin{array}{r}
 \times & 11 & - & 21 & + & 1 & \times & 6 & \times & 8 & - & 9 & + & 9 & - & 18 & - & 13 & - & 5 \\
 \hline
 \times & 2 & - & 10 & + & 9 & \times & 8 & \times & 4 & - & 8 & + & 2 & - & 12 & - & 7 & - & 3 \\
 \hline
 & 22 & & 11 & & 10 & & 48 & & 32 & & 1 & & 11 & & 6 & & 6 & & 2
 \end{array}$$