

# Opérations Mixtes (F)

## Complétez les exercices suivants

$$\begin{array}{r}
 + \quad 9 \\
 + \quad 9 \\
 \hline
 \end{array}
 \quad
 \begin{array}{r}
 + \quad 7 \\
 + \quad 8 \\
 \hline
 \end{array}
 \quad
 \begin{array}{r}
 + \quad 4 \\
 + \quad 1 \\
 \hline
 \end{array}
 \quad
 \begin{array}{r}
 + \quad 10 \\
 + \quad 10 \\
 \hline
 \end{array}
 \quad
 \begin{array}{r}
 - \quad 17 \\
 - \quad 9 \\
 \hline
 \end{array}
 \quad
 \begin{array}{r}
 - \quad 17 \\
 - \quad 11 \\
 \hline
 \end{array}
 \quad
 \begin{array}{r}
 \times \quad 2 \\
 \times \quad 2 \\
 \hline
 \end{array}
 \quad
 \begin{array}{r}
 + \quad 7 \\
 + \quad 6 \\
 \hline
 \end{array}
 \quad
 \begin{array}{r}
 - \quad 23 \\
 - \quad 12 \\
 \hline
 \end{array}
 \quad
 \begin{array}{r}
 \times \quad 5 \\
 \times \quad 12 \\
 \hline
 \end{array}$$

$$\begin{array}{r} \times \end{array} \begin{array}{r} 4 \\ 5 \end{array} \quad \begin{array}{r} + 9 \\ + 12 \end{array} \quad \begin{array}{r} + 12 \\ + 1 \end{array} \quad \begin{array}{r} - 14 \\ - 10 \end{array} \quad \begin{array}{r} + 5 \\ + 2 \end{array} \quad \begin{array}{r} + 10 \\ + 1 \end{array} \quad \begin{array}{r} \times 2 \\ 7 \end{array} \quad \begin{array}{r} - 8 \\ - 2 \end{array} \quad \begin{array}{r} - 20 \\ - 12 \end{array} \quad \begin{array}{r} - 10 \\ - 6 \end{array}$$

$$-\frac{14}{7} + \frac{3}{11} + \frac{10}{7} + \frac{10}{12} + \frac{10}{1} - \frac{12}{11} + \frac{1}{12} \times \frac{6}{6} + \frac{12}{6} \times \frac{5}{4}$$

$$\begin{array}{ccccccccccccc} \times & 10 & & + & 1 & & - & 14 & & - & 14 & & + & 11 & & + & 9 & & \times & 6 & & + & 9 & & \times & 4 & & - & 22 \\ \times & 12 & & + & 5 & & - & 5 & & - & 11 & & + & 8 & & + & 11 & & \times & 4 & & + & 8 & & \times & 9 & & - & 10 \end{array}$$

$$+ \begin{array}{r} 4 \\ 3 \end{array} + \begin{array}{r} 5 \\ 8 \end{array} - \begin{array}{r} 17 \\ 10 \end{array} - \begin{array}{r} 18 \\ 11 \end{array} \times \begin{array}{r} 10 \\ 8 \end{array} - \begin{array}{r} 16 \\ 10 \end{array} + \begin{array}{r} 4 \\ 5 \end{array} \times \begin{array}{r} 7 \\ 1 \end{array} + \begin{array}{r} 1 \\ 10 \end{array} + \begin{array}{r} 8 \\ 2 \end{array}$$

$$-\frac{13}{5} + \frac{6}{6} + \frac{7}{12} - \frac{11}{6} \times \frac{5}{8} - \frac{19}{7} - \frac{20}{12} - \frac{9}{4} - \frac{13}{3} - \frac{23}{11}$$

$$\times \begin{array}{r} 3 \\ 8 \end{array} + \begin{array}{r} 6 \\ 12 \end{array} = \begin{array}{r} 14 \\ 2 \end{array} + \begin{array}{r} 6 \\ 4 \end{array} = \begin{array}{r} 7 \\ 5 \end{array} \times \begin{array}{r} 11 \\ 1 \end{array} = \begin{array}{r} 22 \\ 12 \end{array} = \begin{array}{r} 14 \\ 6 \end{array} + \begin{array}{r} 6 \\ 12 \end{array} + \begin{array}{r} 5 \\ 10 \end{array}$$

$$= \frac{6}{3} = \frac{19}{10} + \frac{4}{11} + \frac{5}{6} \times \frac{9}{11} = \frac{22}{11} = \frac{12}{8} + \frac{10}{6} = \frac{6}{3} = \frac{5}{4}$$

$$+ \begin{array}{r} 5 \\ 9 \end{array} \times \begin{array}{r} 3 \\ 6 \end{array} + \begin{array}{r} 11 \\ 4 \end{array} + \begin{array}{r} 4 \\ 2 \end{array} - \begin{array}{r} 9 \\ 6 \end{array} + \begin{array}{r} 8 \\ 3 \end{array} \times \begin{array}{r} 7 \\ 7 \end{array} + \begin{array}{r} 9 \\ 5 \end{array} \times \begin{array}{r} 11 \\ 10 \end{array} + \begin{array}{r} 3 \\ 2 \end{array}$$

$$+ \frac{11}{6} + \frac{5}{10} + \frac{12}{5} + \frac{5}{9} - \frac{19}{7} \times \frac{8}{11} \times \frac{6}{8} + \frac{6}{6} = \frac{4}{3} \times \frac{5}{7}$$