

## Opérations Mixtes (A)

## Complétez les exercices suivants

$$\begin{array}{r}
 -\frac{11}{9} \\
 +\frac{12}{3} \\
 +\frac{7}{11} \\
 -\frac{13}{8} \\
 \times\frac{10}{8} \\
 +\frac{2}{8} \\
 +\frac{12}{1} \\
 +\frac{6}{8} \\
 \times\frac{12}{7} \\
 +\frac{12}{5}
 \end{array}$$

$$\begin{array}{r}
 -\frac{9}{2} \\
 -\frac{8}{1} \\
 +\frac{7}{9} \\
 +\frac{2}{3} \\
 \times \frac{7}{9} \\
 =\frac{16}{9} \\
 -\frac{13}{3} \\
 -\frac{16}{11} \\
 -\frac{11}{3} \\
 \times \frac{4}{8}
 \end{array}$$

$$\begin{array}{r} \times 11 \\ \times 12 \\ \hline + 3 \\ \hline \end{array}$$

$$-\frac{12}{7} + \frac{12}{10} \times \frac{10}{5} \times \frac{5}{1} - \frac{15}{5} - \frac{11}{10} + \frac{1}{11} \times \frac{2}{3} + \frac{10}{6} + \frac{8}{12}$$

$$+ \begin{array}{r} 4 \\ 2 \end{array} - \begin{array}{r} 10 \\ 3 \end{array} - \begin{array}{r} 7 \\ 4 \end{array} + \begin{array}{r} 12 \\ 11 \end{array} + \begin{array}{r} 10 \\ 4 \end{array} + \begin{array}{r} 10 \\ 10 \end{array} + \begin{array}{r} 6 \\ 6 \end{array} + \begin{array}{r} 7 \\ 1 \end{array} + \begin{array}{r} 5 \\ 5 \end{array} + \begin{array}{r} 10 \\ 7 \end{array}$$

$$+ \begin{array}{r} 2 \\ 5 \end{array} - \begin{array}{r} 15 \\ 3 \end{array} + \begin{array}{r} 11 \\ 9 \end{array} - \begin{array}{r} 18 \\ 7 \end{array} - \begin{array}{r} 20 \\ 11 \end{array} - \begin{array}{r} 17 \\ 9 \end{array} + \begin{array}{r} 8 \\ 4 \end{array} + \begin{array}{r} 11 \\ 7 \end{array} + \begin{array}{r} 1 \\ 1 \end{array} \times \begin{array}{r} 6 \\ 1 \end{array}$$

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

$$\times \frac{9}{11} + \frac{1}{1} + \frac{2}{7} = \frac{15}{3} - \frac{14}{8} \times \frac{1}{6} \times \frac{10}{2} + \frac{1}{9} + \frac{7}{1} = \frac{22}{10}$$

$$+ \frac{6}{1} - \frac{6}{2} - \frac{11}{10} \times \frac{6}{6} + \frac{12}{12} + \frac{9}{10} + \frac{9}{2} - \frac{11}{9} \times \frac{4}{4} + \frac{5}{3}$$

$$+ \frac{6}{8} - \frac{18}{11} \times \frac{3}{5} - \frac{7}{6} - \frac{19}{11} - \frac{17}{8} + \frac{6}{2} - \frac{11}{5} + \frac{12}{7} \times \frac{1}{1}$$