

## Opérations Mixtes (J)

## Complétez les exercices suivants

$$\begin{array}{r}
 \times \frac{14}{4} \quad + \frac{9}{2} \quad + \frac{9}{10} \quad + \frac{1}{6} \quad - \frac{12}{3} \quad - \frac{24}{10} \quad - \frac{14}{3} \quad + \frac{2}{14} \quad \times \frac{5}{8} \quad \times \frac{5}{9}
 \end{array}$$

$$\begin{array}{r}
 -\frac{13}{9} + \frac{3}{9} - \frac{23}{11} - \frac{20}{8} - \frac{24}{10} \times \frac{13}{4} \times \frac{5}{8} \times \frac{15}{10} \times \frac{2}{1} - \frac{22}{11}
 \end{array}$$

$$+ \begin{array}{r} 9 \\ 5 \end{array} \times \begin{array}{r} 15 \\ 4 \end{array} - \begin{array}{r} 10 \\ 5 \end{array} - \begin{array}{r} 22 \\ 14 \end{array} + \begin{array}{r} 11 \\ 14 \end{array} - \begin{array}{r} 16 \\ 10 \end{array} \times \begin{array}{r} 6 \\ 13 \end{array} - \begin{array}{r} 22 \\ 12 \end{array} + \begin{array}{r} 14 \\ 15 \end{array} - \begin{array}{r} 19 \\ 7 \end{array}$$

$$+ \begin{array}{r} 9 \\ 9 \end{array} - \begin{array}{r} 14 \\ 8 \end{array} - \begin{array}{r} 19 \\ 14 \end{array} \times \begin{array}{r} 15 \\ 2 \end{array} \times \begin{array}{r} 9 \\ 5 \end{array} \times \begin{array}{r} 11 \\ 8 \end{array} + \begin{array}{r} 3 \\ 15 \end{array} \times \begin{array}{r} 14 \\ 15 \end{array} \times \begin{array}{r} 2 \\ 1 \end{array} - \begin{array}{r} 18 \\ 11 \end{array}$$

$$+ \begin{array}{r} 10 \\ 6 \end{array} + \begin{array}{r} 15 \\ 15 \end{array} \times \begin{array}{r} 10 \\ 4 \end{array} \times \begin{array}{r} 13 \\ 15 \end{array} \times \begin{array}{r} 4 \\ 15 \end{array} + \begin{array}{r} 5 \\ 9 \end{array} + \begin{array}{r} 11 \\ 1 \end{array} - \begin{array}{r} 12 \\ 9 \end{array} \times \begin{array}{r} 1 \\ 6 \end{array} \times \begin{array}{r} 2 \\ 4 \end{array}$$

$$+ \begin{array}{r} 7 \\ 15 \end{array} - \begin{array}{r} 20 \\ 13 \end{array} + \begin{array}{r} 15 \\ 10 \end{array} \times \begin{array}{r} 9 \\ 5 \end{array} - \begin{array}{r} 20 \\ 13 \end{array} \times \begin{array}{r} 3 \\ 2 \end{array} - \begin{array}{r} 17 \\ 11 \end{array} - \begin{array}{r} 18 \\ 8 \end{array} - \begin{array}{r} 24 \\ 12 \end{array} \times \begin{array}{r} 6 \\ 12 \end{array}$$

$$+ \frac{8}{15} - \frac{12}{9} - \frac{10}{7} \times \frac{7}{15} \times \frac{4}{15} \times \frac{5}{14} + \frac{8}{10} - \frac{13}{4} \times \frac{1}{14} - \frac{12}{8}$$

$$+ \frac{5}{1} = \frac{24}{14} \times \frac{6}{12} \times \frac{1}{2} - \frac{4}{1} + \frac{7}{7} \times \frac{2}{14} + \frac{12}{10} + \frac{10}{10} - \frac{8}{1}$$

$$\begin{array}{ccccccccccccc} \times & 14 & & \times & 2 & & + & 6 & & - & 6 & & - & 10 & & + & 1 & & \times & 13 & & \times & 10 & & \times & 11 & & - & 17 \\ \times & 14 & & \times & 11 & & + & 12 & & - & 2 & & - & 7 & & + & 4 & & \times & 5 & & \times & 14 & & \times & 11 & & - & 4 \end{array}$$

$$+ \frac{5}{9} + \frac{5}{13} \times \frac{6}{4} + \frac{7}{2} = \frac{17}{8} + \frac{14}{3} + \frac{11}{1} - \frac{24}{14} + \frac{13}{1} = \frac{24}{14}$$