

# Opérations Mixtes (C)

## Complétez les exercices suivants

$$\begin{array}{r}
 + \quad 2 & + \quad 10 & + \quad 11 & + \quad 10 & + \quad 6 & - \quad 16 & - \quad 20 & - \quad 18 & - \quad 14 & + \quad 5 \\
 + \quad 9 & + \quad 4 & + \quad 3 & + \quad 6 & + \quad 6 & - \quad 7 & - \quad 11 & - \quad 10 & - \quad 12 & + \quad 5
 \end{array}$$

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

$$-\frac{21}{10} + \frac{9}{9} + \frac{1}{1} - \frac{13}{1} - \frac{11}{10} - \frac{21}{9} - \frac{16}{6} - \frac{11}{10} + \frac{9}{10} - \frac{7}{6}$$

$$+ \frac{1}{4} + \frac{1}{4} - \frac{5}{3} - \frac{16}{8} - \frac{4}{2} + \frac{11}{1} + \frac{10}{9} - \frac{9}{4} - \frac{11}{4} + \frac{12}{2}$$

$$- \frac{18}{11} + \frac{10}{7} + \frac{2}{8} - \frac{7}{2} + \frac{9}{11} + \frac{8}{11} + \frac{12}{4} - \frac{2}{1} - \frac{17}{9} + \frac{1}{5}$$

$$+ \begin{array}{r} 9 \\ 8 \end{array} + \begin{array}{r} 10 \\ 4 \end{array} + \begin{array}{r} 3 \\ 12 \end{array} + \begin{array}{r} 11 \\ 4 \end{array} - \begin{array}{r} 6 \\ 2 \end{array} - \begin{array}{r} 13 \\ 2 \end{array} + \begin{array}{r} 4 \\ 3 \end{array} - \begin{array}{r} 16 \\ 9 \end{array} - \begin{array}{r} 23 \\ 11 \end{array} + \begin{array}{r} 6 \\ 1 \end{array}$$

$$= \frac{9}{3} + \frac{5}{5} - \frac{9}{5} + \frac{9}{4} + \frac{4}{9} = \frac{18}{8} - \frac{20}{9} - \frac{14}{5} + \frac{12}{4} - \frac{21}{11}$$

$$= \frac{16}{10} = \frac{15}{12} = \frac{20}{12} + \frac{5}{10} = \frac{11}{6} = \frac{13}{11} - \frac{14}{1} = \frac{11}{1} = \frac{8}{1} + \frac{3}{6}$$

$$+ \frac{7}{10} + \frac{9}{9} - \frac{21}{9} - \frac{16}{9} + \frac{12}{4} - \frac{5}{3} + \frac{9}{6} + \frac{12}{7} + \frac{8}{8} + \frac{5}{8}$$

$$+ \frac{8}{8} - \frac{14}{12} - \frac{16}{4} - \frac{5}{2} + \frac{6}{6} + \frac{7}{7} + \frac{5}{1} + \frac{3}{2} - \frac{11}{9} - \frac{17}{9}$$