

Opérations Mixtes (F)

Complétez les exercices suivants

$$\begin{array}{r}
 -2 \\
 -1 \\
 \hline
 -18 \\
 -10 \\
 \hline
 -3 \\
 -1 \\
 \hline
 +12 \\
 +4 \\
 \hline
 +5 \\
 +10 \\
 \hline
 +11 \\
 +6 \\
 \hline
 +2 \\
 +10 \\
 \hline
 +12 \\
 +6 \\
 \hline
 -15 \\
 -9 \\
 \hline
 -3
 \end{array}$$

$$\begin{array}{r}
 + \quad 5 \\
 + \quad 7 \\
 \hline
 - \quad 13 \\
 - \quad 6 \\
 \hline
 + \quad 6 \\
 + \quad 2 \\
 \hline
 - \quad 13 \\
 - \quad 11 \\
 \hline
 - \quad 5 \\
 - \quad 4 \\
 \hline
 + \quad 5 \\
 + \quad 4 \\
 \hline
 - \quad 11 \\
 - \quad 5 \\
 \hline
 - \quad 15 \\
 - \quad 10 \\
 \hline
 + \quad 3 \\
 + \quad 2 \\
 \hline
 - \quad 7 \\
 - \quad 4
 \end{array}$$

$$\begin{array}{r}
 + \frac{5}{10} \\
 + \frac{9}{8} \\
 - \frac{4}{2} \\
 - \frac{11}{4} \\
 + \frac{12}{8} \\
 - \frac{21}{9} \\
 - \frac{17}{10} \\
 - \frac{19}{7} \\
 + \frac{7}{6} \\
 - \frac{19}{9}
 \end{array}$$

$$-\frac{15}{9} + \frac{6}{2} + \frac{2}{4} - \frac{15}{12} - \frac{16}{5} + \frac{1}{9} + \frac{9}{12} + \frac{8}{9} + \frac{6}{2} - \frac{15}{10}$$

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

$$+ \begin{array}{r} 4 \\ 7 \end{array} - \begin{array}{r} 14 \\ 4 \end{array} - \begin{array}{r} 18 \\ 8 \end{array} - \begin{array}{r} 13 \\ 6 \end{array} - \begin{array}{r} 23 \\ 11 \end{array} + \begin{array}{r} 10 \\ 2 \end{array} - \begin{array}{r} 14 \\ 10 \end{array} + \begin{array}{r} 4 \\ 7 \end{array} + \begin{array}{r} 6 \\ 9 \end{array} + \begin{array}{r} 7 \\ 8 \end{array}$$

$$-\frac{16}{6} + \frac{12}{8} - \frac{5}{4} - \frac{12}{5} - \frac{12}{4} = \frac{8}{1} + \frac{1}{11} + \frac{3}{11} + \frac{8}{12} + \frac{5}{3}$$

$$= \frac{9}{6} = \frac{22}{10} = \frac{14}{7} = \frac{12}{6} + \frac{5}{8} = \frac{11}{1} + \frac{5}{1} = \frac{14}{6} + \frac{5}{5} + \frac{2}{9}$$

$$+ \frac{3}{8} - \frac{6}{3} - \frac{7}{4} - \frac{20}{12} + \frac{3}{7} - \frac{16}{12} + \frac{12}{9} - \frac{4}{2} + \frac{9}{7} - \frac{12}{2}$$

$$-\frac{8}{4} - \frac{9}{3} + \frac{4}{2} - \frac{14}{7} + \frac{11}{8} + \frac{1}{8} - \frac{7}{4} - \frac{15}{7} - \frac{8}{1} + \frac{11}{1}$$