

Opérations Mixtes (G)

Complétez les exercices suivants

$$\begin{array}{r}
 + \frac{6}{11} \\
 - \frac{11}{10} \\
 - \frac{31}{17} \\
 + \frac{3}{2} \\
 - \frac{11}{8} \\
 - \frac{35}{17} \\
 - \frac{9}{3} \\
 + \frac{6}{2} \\
 + \frac{2}{7} \\
 - \frac{17}{3}
 \end{array}$$

$$\begin{array}{r}
 + \quad 7 \quad - 22 \quad - 19 \quad - 10 \quad + 16 \quad - 12 \quad - 20 \quad - 27 \quad + 16 \quad + 4 \\
 + \quad 9 \quad - 9 \quad - 17 \quad - 3 \quad + 18 \quad - 7 \quad - 9 \quad - 15 \quad + 6 \quad + 20
 \end{array}$$

$$+ \begin{array}{r} 15 \\ 1 \end{array} + \begin{array}{r} 17 \\ 17 \end{array} + \begin{array}{r} 13 \\ 19 \end{array} - \begin{array}{r} 24 \\ 20 \end{array} + \begin{array}{r} 11 \\ 11 \end{array} + \begin{array}{r} 4 \\ 11 \end{array} - \begin{array}{r} 29 \\ 13 \end{array} - \begin{array}{r} 10 \\ 9 \end{array} + \begin{array}{r} 11 \\ 15 \end{array} - \begin{array}{r} 20 \\ 15 \end{array}$$

$$-\frac{27}{7} - \frac{24}{20} - \frac{36}{16} - \frac{19}{10} - \frac{16}{9} + \frac{4}{4} + \frac{19}{5} - \frac{30}{11} - \frac{26}{13} - \frac{20}{15}$$

$$\begin{array}{ccccccccccccc}
 + & 19 & & + & 16 & & - & 34 & & - & 18 & & - & 31 & & - & 25 & & - & 14 & & + & 1 & & + & 14 & & - & 24 \\
 + & 11 & & + & 13 & & - & 14 & & - & 9 & & - & 20 & & - & 15 & & - & 13 & & + & 7 & & + & 14 & & - & 8
 \end{array}$$

$$+ \frac{20}{3} = \frac{27}{13} + \frac{15}{14} + \frac{3}{16} + \frac{15}{12} + \frac{4}{18} + \frac{13}{11} + \frac{2}{14} - \frac{12}{9} + \frac{14}{5}$$

$$+ \frac{15}{20} \quad + \frac{18}{12} \quad - \frac{35}{19} \quad + \frac{14}{8} \quad + \frac{1}{9} \quad - \frac{11}{7} \quad - \frac{21}{20} \quad - \frac{14}{2} \quad - \frac{9}{8} \quad - \frac{3}{1}$$

$$= \frac{31}{20} + \frac{7}{15} = \frac{33}{19} + \frac{7}{18} + \frac{13}{1} + \frac{13}{2} + \frac{1}{15} + \frac{17}{6} + \frac{20}{9} + \frac{16}{17}$$

$$= \frac{35}{15} + \frac{10}{11} + \frac{20}{11} - \frac{18}{9} + \frac{6}{19} - \frac{31}{12} + \frac{18}{20} - \frac{6}{4} + \frac{15}{10} = \frac{25}{9}$$

$$-\frac{26}{16} = -\frac{18}{6} = -\frac{12}{8} = -\frac{14}{1} + \frac{4}{9} = -\frac{20}{11} + \frac{20}{14} = -\frac{18}{3} = -\frac{24}{7} = -\frac{20}{9}$$