

分数の正の数、負の数の加法

次の計算をしましょう。

$$\textcircled{1} \left(+\frac{8}{9} \right) + \left(-\frac{2}{3} \right)$$

$$\textcircled{2} \left(+\frac{2}{5} \right) + \left(+\frac{3}{7} \right)$$

$$\textcircled{3} \left(+\frac{3}{10} \right) + \left(+\frac{4}{5} \right)$$

$$\textcircled{4} \left(+\frac{2}{3} \right) + \left(+\frac{7}{8} \right)$$

$$\textcircled{5} \left(-\frac{6}{7} \right) + \left(+\frac{2}{3} \right)$$

$$\textcircled{6} \left(-\frac{5}{8} \right) + \left(+\frac{6}{7} \right)$$

分数の正の数、負の数の加法

次の計算をしましょう。

$$\begin{aligned} \textcircled{1} \quad & \left(+\frac{8}{9} \right) + \left(-\frac{2}{3} \right) \\ & = \left(+\frac{8}{9} \right) + \left(-\frac{6}{9} \right) \\ & = + \left(\frac{8}{9} - \frac{6}{9} \right) \\ & = + \frac{2}{9} \end{aligned}$$

$$\begin{aligned} \textcircled{2} \quad & \left(+\frac{2}{5} \right) + \left(+\frac{3}{7} \right) \\ & = \left(+\frac{14}{35} \right) + \left(+\frac{15}{35} \right) \\ & = + \left(\frac{14}{35} + \frac{15}{35} \right) \\ & = + \frac{29}{35} \end{aligned}$$

$$\begin{aligned} \textcircled{3} \quad & \left(+\frac{3}{10} \right) + \left(+\frac{4}{5} \right) \\ & = \left(+\frac{3}{10} \right) + \left(+\frac{8}{10} \right) \\ & = + \left(\frac{3}{10} + \frac{8}{10} \right) \\ & = + \frac{11}{10} = + 1 \frac{1}{10} \end{aligned}$$

$$\begin{aligned} \textcircled{4} \quad & \left(+\frac{2}{3} \right) + \left(+\frac{7}{8} \right) \\ & = \left(+\frac{16}{24} \right) + \left(+\frac{21}{24} \right) \\ & = + \left(\frac{16}{24} + \frac{21}{24} \right) \\ & = + \frac{37}{24} = + 1 \frac{13}{24} \end{aligned}$$

$$\begin{aligned} \textcircled{5} \quad & \left(-\frac{6}{7} \right) + \left(+\frac{2}{3} \right) \\ & = \left(-\frac{18}{21} \right) + \left(+\frac{14}{21} \right) \\ & = - \left(\frac{18}{21} - \frac{14}{21} \right) \\ & = - \frac{4}{21} \end{aligned}$$

$$\begin{aligned} \textcircled{6} \quad & \left(-\frac{5}{8} \right) + \left(+\frac{6}{7} \right) \\ & = \left(-\frac{35}{56} \right) + \left(+\frac{48}{56} \right) \\ & = + \left(\frac{48}{56} - \frac{35}{56} \right) \\ & = + \frac{13}{56} \end{aligned}$$