

## 分数の正の数、負の数の加法

次の計算をしましょう。

$$\textcircled{1} \left( -\frac{5}{8} \right) + \left( -\frac{2}{3} \right)$$

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

$$\textcircled{3} \left( +\frac{3}{10} \right) + \left( -\frac{2}{9} \right)$$

$$\textcircled{4} \left( +\frac{6}{11} \right) + \left( -\frac{4}{5} \right)$$

$$\textcircled{5} \left( -\frac{5}{7} \right) + \left( -\frac{8}{9} \right)$$

$$\textcircled{6} \left( +\frac{2}{5} \right) + \left( -\frac{3}{10} \right)$$

# 分数の正の数、負の数の加法

次の計算をしましょう。

$$\begin{aligned} \textcircled{1} \quad & \left( -\frac{5}{8} \right) + \left( -\frac{2}{3} \right) \\ & = \left( -\frac{15}{24} \right) + \left( -\frac{16}{24} \right) \\ & = -\left( \frac{15}{24} + \frac{16}{24} \right) \\ & = -\frac{31}{24} = -1\frac{7}{24} \end{aligned}$$

$$\begin{aligned} \textcircled{2} \quad & \left( +\frac{4}{7} \right) + \left( -\frac{2}{3} \right) \\ & = \left( +\frac{12}{21} \right) + \left( -\frac{14}{21} \right) \\ & = -\left( \frac{14}{21} - \frac{12}{21} \right) \\ & = -\frac{2}{21} \end{aligned}$$

$$\begin{aligned} \textcircled{3} \quad & \left( +\frac{3}{10} \right) + \left( -\frac{2}{9} \right) \\ & = \left( +\frac{27}{90} \right) + \left( -\frac{20}{90} \right) \\ & = +\left( \frac{27}{90} - \frac{20}{90} \right) \\ & = +\frac{7}{90} \end{aligned}$$

$$\begin{aligned} \textcircled{4} \quad & \left( +\frac{6}{11} \right) + \left( -\frac{4}{5} \right) \\ & = \left( +\frac{30}{55} \right) + \left( -\frac{44}{55} \right) \\ & = -\left( \frac{44}{55} - \frac{30}{55} \right) \\ & = -\frac{14}{55} \end{aligned}$$

$$\begin{aligned} \textcircled{5} \quad & \left( -\frac{5}{7} \right) + \left( -\frac{8}{9} \right) \\ & = \left( -\frac{45}{63} \right) + \left( -\frac{56}{63} \right) \\ & = -\left( \frac{45}{63} + \frac{56}{63} \right) \\ & = -\frac{101}{63} = -1\frac{38}{63} \end{aligned}$$

$$\begin{aligned} \textcircled{6} \quad & \left( +\frac{2}{5} \right) + \left( -\frac{3}{10} \right) \\ & = \left( +\frac{4}{10} \right) + \left( -\frac{3}{10} \right) \\ & = +\left( \frac{4}{10} - \frac{3}{10} \right) \\ & = +\frac{1}{10} \end{aligned}$$