

分数の正の数、負の数の減法

次の計算をしましょう。

$$\textcircled{1} \left(-\frac{2}{3} \right) - \left(+\frac{5}{11} \right)$$

$$\textcircled{2} \left(+\frac{5}{6} \right) - \left(-\frac{9}{10} \right)$$

$$\textcircled{3} \left(+\frac{8}{9} \right) - \left(+\frac{6}{7} \right)$$

$$\textcircled{4} \left(-\frac{2}{3} \right) - \left(-\frac{3}{5} \right)$$

$$\textcircled{5} \left(-\frac{3}{4} \right) - \left(+\frac{4}{9} \right)$$

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

分数の正の数、負の数の減法

次の計算をしましょう。

$$\begin{aligned} \textcircled{1} & \left(-\frac{2}{3} \right) - \left(+\frac{5}{11} \right) \\ & = \left(-\frac{22}{33} \right) + \left(-\frac{15}{33} \right) \\ & = -\left(\frac{22}{33} + \frac{15}{33} \right) \\ & = -\frac{37}{33} = -1\frac{4}{33} \end{aligned}$$

$$\begin{aligned} \textcircled{2} & \left(+\frac{5}{6} \right) - \left(-\frac{9}{10} \right) \\ & = \left(+\frac{25}{30} \right) + \left(+\frac{27}{30} \right) \\ & = +\left(\frac{25}{30} + \frac{27}{30} \right) \\ & = +\frac{52}{30} \\ & = +\frac{26}{15} = +1\frac{11}{15} \end{aligned}$$

$$\begin{aligned} \textcircled{3} & \left(+\frac{8}{9} \right) - \left(+\frac{6}{7} \right) \\ & = \left(+\frac{56}{63} \right) + \left(-\frac{54}{63} \right) \\ & = +\left(\frac{56}{63} - \frac{54}{63} \right) \\ & = +\frac{2}{63} \end{aligned}$$

$$\begin{aligned} \textcircled{4} & \left(-\frac{2}{3} \right) - \left(-\frac{3}{5} \right) \\ & = \left(-\frac{10}{15} \right) + \left(+\frac{9}{15} \right) \\ & = -\left(\frac{10}{15} - \frac{9}{15} \right) \\ & = -\frac{1}{15} \end{aligned}$$

$$\begin{aligned} \textcircled{5} & \left(-\frac{3}{4} \right) - \left(+\frac{4}{9} \right) \\ & = \left(-\frac{27}{36} \right) + \left(-\frac{16}{36} \right) \\ & = -\left(\frac{27}{36} + \frac{16}{36} \right) \\ & = -\frac{43}{36} = -1\frac{7}{36} \end{aligned}$$

$$\begin{aligned} \textcircled{6} & \left(+\frac{2}{7} \right) - \left(+\frac{2}{3} \right) \\ & = \left(+\frac{6}{21} \right) + \left(-\frac{14}{21} \right) \\ & = -\left(\frac{14}{21} - \frac{6}{21} \right) \\ & = -\frac{8}{21} \end{aligned}$$