

分数の正の数、負の数の減法

次の計算をしましょう。

$$\textcircled{1} \left(-\frac{7}{8} \right) - \left(-\frac{3}{7} \right)$$

$$\textcircled{2} \left(-\frac{4}{5} \right) - \left(+\frac{5}{8} \right)$$

$$\textcircled{3} \left(+\frac{8}{9} \right) - \left(-\frac{3}{4} \right)$$

$$\textcircled{4} \left(+\frac{4}{7} \right) - \left(+\frac{5}{6} \right)$$

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

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

分数の正の数、負の数の減法

次の計算をしましょう。

$$\begin{aligned}\textcircled{1} & \left(-\frac{7}{8}\right) - \left(-\frac{3}{7}\right) \\ & = \left(-\frac{49}{56}\right) + \left(+\frac{24}{56}\right) \\ & = -\left(\frac{49}{56} - \frac{24}{56}\right) \\ & = -\frac{25}{56}\end{aligned}$$

$$\begin{aligned}\textcircled{2} & \left(-\frac{4}{5}\right) - \left(+\frac{5}{8}\right) \\ & = \left(-\frac{32}{40}\right) + \left(-\frac{25}{40}\right) \\ & = -\left(\frac{32}{40} + \frac{25}{40}\right) \\ & = -\frac{57}{40} = -1\frac{17}{40}\end{aligned}$$

$$\begin{aligned}\textcircled{3} & \left(+\frac{8}{9}\right) - \left(-\frac{3}{4}\right) \\ & = \left(+\frac{32}{36}\right) + \left(+\frac{27}{36}\right) \\ & = +\left(\frac{32}{36} + \frac{27}{36}\right) \\ & = +\frac{59}{36} = +1\frac{23}{36}\end{aligned}$$

$$\begin{aligned}\textcircled{4} & \left(+\frac{4}{7}\right) - \left(+\frac{5}{6}\right) \\ & = \left(+\frac{24}{42}\right) + \left(-\frac{35}{42}\right) \\ & = -\left(\frac{35}{42} - \frac{24}{42}\right) \\ & = -\frac{11}{42}\end{aligned}$$

$$\begin{aligned}\textcircled{5} & \left(-\frac{5}{11}\right) - \left(-\frac{2}{3}\right) \\ & = \left(-\frac{15}{33}\right) + \left(+\frac{22}{33}\right) \\ & = +\left(\frac{22}{33} - \frac{15}{33}\right) \\ & = +\frac{7}{33}\end{aligned}$$

$$\begin{aligned}\textcircled{6} & \left(-\frac{5}{6}\right) - \left(-\frac{3}{10}\right) \\ & = \left(-\frac{25}{30}\right) + \left(+\frac{9}{30}\right) \\ & = -\left(\frac{25}{30} - \frac{9}{30}\right) \\ & = -\frac{16}{30} \\ & = -\frac{8}{15}\end{aligned}$$