

分数の正の数、負の数の減法

次の計算をしましょう。

$$\textcircled{1} \left(-\frac{2}{9} \right) - \left(+\frac{3}{5} \right)$$

$$\textcircled{2} \left(-\frac{3}{7} \right) - \left(-\frac{4}{11} \right)$$

$$\textcircled{3} \left(-\frac{4}{9} \right) - \left(-\frac{3}{7} \right)$$

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

$$\textcircled{5} \left(-\frac{3}{10} \right) - \left(-\frac{3}{8} \right)$$

$$\textcircled{6} \left(+\frac{3}{4} \right) - \left(-\frac{2}{5} \right)$$

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次の計算をしましょう。

$$\begin{aligned} \textcircled{1} \quad & \left(-\frac{2}{9} \right) - \left(+\frac{3}{5} \right) \\ & = \left(-\frac{10}{45} \right) + \left(-\frac{27}{45} \right) \\ & = -\left(\frac{10}{45} + \frac{27}{45} \right) \\ & = -\frac{37}{45} \end{aligned}$$

$$\begin{aligned} \textcircled{2} \quad & \left(-\frac{3}{7} \right) - \left(-\frac{4}{11} \right) \\ & = \left(-\frac{33}{77} \right) + \left(+\frac{28}{77} \right) \\ & = -\left(\frac{33}{77} - \frac{28}{77} \right) \\ & = -\frac{5}{77} \end{aligned}$$

$$\begin{aligned} \textcircled{3} \quad & \left(-\frac{4}{9} \right) - \left(-\frac{3}{7} \right) \\ & = \left(-\frac{28}{63} \right) + \left(+\frac{27}{63} \right) \\ & = -\left(\frac{28}{63} - \frac{27}{63} \right) \\ & = -\frac{1}{63} \end{aligned}$$

$$\begin{aligned} \textcircled{4} \quad & \left(-\frac{2}{3} \right) - \left(+\frac{4}{7} \right) \\ & = \left(-\frac{14}{21} \right) + \left(-\frac{12}{21} \right) \\ & = -\left(\frac{14}{21} + \frac{12}{21} \right) \\ & = -\frac{26}{21} = -1\frac{5}{21} \end{aligned}$$

$$\begin{aligned} \textcircled{5} \quad & \left(-\frac{3}{10} \right) - \left(-\frac{3}{8} \right) \\ & = \left(-\frac{12}{40} \right) + \left(+\frac{15}{40} \right) \\ & = +\left(\frac{15}{40} - \frac{12}{40} \right) \\ & = +\frac{3}{40} \end{aligned}$$

$$\begin{aligned} \textcircled{6} \quad & \left(+\frac{3}{4} \right) - \left(-\frac{2}{5} \right) \\ & = \left(+\frac{15}{20} \right) + \left(+\frac{8}{20} \right) \\ & = +\left(\frac{15}{20} + \frac{8}{20} \right) \\ & = +\frac{23}{20} = +1\frac{3}{20} \end{aligned}$$