

分数の正の数、負の数の減法

次の計算をしましょう。

$$\textcircled{1} \left(-\frac{3}{10} \right) - \left(+\frac{7}{8} \right)$$

$$\textcircled{2} \left(-\frac{6}{11} \right) - \left(+\frac{2}{3} \right)$$

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

$$\textcircled{4} \left(-\frac{8}{11} \right) - \left(-\frac{4}{7} \right)$$

$$\textcircled{5} \left(-\frac{5}{9} \right) - \left(-\frac{2}{7} \right)$$

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

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次の計算をしましょう。

$$\begin{aligned}\textcircled{1} & \left(-\frac{3}{10}\right) - \left(+\frac{7}{8}\right) \\ & = \left(-\frac{12}{40}\right) + \left(-\frac{35}{40}\right) \\ & = -\left(\frac{12}{40} + \frac{35}{40}\right) \\ & = -\frac{47}{40} = -1\frac{7}{40}\end{aligned}$$

$$\begin{aligned}\textcircled{2} & \left(-\frac{6}{11}\right) - \left(+\frac{2}{3}\right) \\ & = \left(-\frac{18}{33}\right) + \left(-\frac{22}{33}\right) \\ & = -\left(\frac{18}{33} + \frac{22}{33}\right) \\ & = -\frac{40}{33} = -1\frac{7}{33}\end{aligned}$$

$$\begin{aligned}\textcircled{3} & \left(-\frac{3}{7}\right) - \left(-\frac{2}{3}\right) \\ & = \left(-\frac{9}{21}\right) + \left(+\frac{14}{21}\right) \\ & = +\left(\frac{14}{21} - \frac{9}{21}\right) \\ & = +\frac{5}{21}\end{aligned}$$

$$\begin{aligned}\textcircled{4} & \left(-\frac{8}{11}\right) - \left(-\frac{4}{7}\right) \\ & = \left(-\frac{56}{77}\right) + \left(+\frac{44}{77}\right) \\ & = -\left(\frac{56}{77} - \frac{44}{77}\right) \\ & = -\frac{12}{77}\end{aligned}$$

$$\begin{aligned}\textcircled{5} & \left(-\frac{5}{9}\right) - \left(-\frac{2}{7}\right) \\ & = \left(-\frac{35}{63}\right) + \left(+\frac{18}{63}\right) \\ & = -\left(\frac{35}{63} - \frac{18}{63}\right) \\ & = -\frac{17}{63}\end{aligned}$$

$$\begin{aligned}\textcircled{6} & \left(+\frac{6}{7}\right) - \left(-\frac{3}{5}\right) \\ & = \left(+\frac{30}{35}\right) + \left(+\frac{21}{35}\right) \\ & = +\left(\frac{30}{35} + \frac{21}{35}\right) \\ & = +\frac{51}{35} = +1\frac{16}{35}\end{aligned}$$