

## 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。

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

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

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

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

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

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