

分数の正の数、負の数の加法

次の計算をしましょう。

$$\textcircled{1} \left(-\frac{3}{8} \right) + \left(+\frac{3}{5} \right)$$

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

$$\textcircled{3} \left(-\frac{3}{8} \right) + \left(-\frac{2}{7} \right)$$

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

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

$$\textcircled{6} \left(+\frac{5}{11} \right) + \left(-\frac{4}{5} \right)$$

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次の計算をしましょう。

$$\begin{aligned} \textcircled{1} & \left(-\frac{3}{8} \right) + \left(+\frac{3}{5} \right) \\ & = \left(-\frac{15}{40} \right) + \left(+\frac{24}{40} \right) \\ & = + \left(\frac{24}{40} - \frac{15}{40} \right) \\ & = + \frac{9}{40} \end{aligned}$$

$$\begin{aligned} \textcircled{2} & \left(+\frac{2}{3} \right) + \left(+\frac{2}{5} \right) \\ & = \left(+\frac{10}{15} \right) + \left(+\frac{6}{15} \right) \\ & = + \left(\frac{10}{15} + \frac{6}{15} \right) \\ & = + \frac{16}{15} = + 1 \frac{1}{15} \end{aligned}$$

$$\begin{aligned} \textcircled{3} & \left(-\frac{3}{8} \right) + \left(-\frac{2}{7} \right) \\ & = \left(-\frac{21}{56} \right) + \left(-\frac{16}{56} \right) \\ & = - \left(\frac{21}{56} + \frac{16}{56} \right) \\ & = - \frac{37}{56} \end{aligned}$$

$$\begin{aligned} \textcircled{4} & \left(+\frac{3}{7} \right) + \left(-\frac{2}{3} \right) \\ & = \left(+\frac{9}{21} \right) + \left(-\frac{14}{21} \right) \\ & = - \left(\frac{14}{21} - \frac{9}{21} \right) \\ & = - \frac{5}{21} \end{aligned}$$

$$\begin{aligned} \textcircled{5} & \left(+\frac{4}{5} \right) + \left(-\frac{5}{9} \right) \\ & = \left(+\frac{36}{45} \right) + \left(-\frac{25}{45} \right) \\ & = + \left(\frac{36}{45} - \frac{25}{45} \right) \\ & = + \frac{11}{45} \end{aligned}$$

$$\begin{aligned} \textcircled{6} & \left(+\frac{5}{11} \right) + \left(-\frac{4}{5} \right) \\ & = \left(+\frac{25}{55} \right) + \left(-\frac{44}{55} \right) \\ & = - \left(\frac{44}{55} - \frac{25}{55} \right) \\ & = - \frac{19}{55} \end{aligned}$$