

## 分数の正の数、負の数の除法

次の計算をしましょう。

$$\textcircled{1} \left( -\frac{5}{8} \right) \div \left( +\frac{9}{10} \right)$$

$$\textcircled{2} \left( +\frac{3}{10} \right) \div \left( -\frac{5}{6} \right)$$

$$\textcircled{3} \left( -\frac{6}{7} \right) \div \left( +\frac{2}{3} \right)$$

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

$$\textcircled{5} \left( +\frac{4}{9} \right) \div \left( -\frac{3}{4} \right)$$

$$\textcircled{6} \left( +\frac{6}{7} \right) \div \left( +\frac{2}{5} \right)$$

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次の計算をしましょう。

$$\begin{aligned}\textcircled{1} \quad & \left(-\frac{5}{8}\right) \div \left(+\frac{9}{10}\right) \\ &= -\left(\frac{5}{8} \times \frac{10}{9}\right) \\ &= -\frac{50}{72} \\ &= -\frac{25}{36}\end{aligned}$$

$$\begin{aligned}\textcircled{2} \quad & \left(+\frac{3}{10}\right) \div \left(-\frac{5}{6}\right) \\ &= -\left(\frac{3}{10} \times \frac{6}{5}\right) \\ &= -\frac{18}{50} \\ &= -\frac{9}{25}\end{aligned}$$

$$\begin{aligned}\textcircled{3} \quad & \left(-\frac{6}{7}\right) \div \left(+\frac{2}{3}\right) \\ &= -\left(\frac{6}{7} \times \frac{3}{2}\right) \\ &= -\frac{18}{14} \\ &= -\frac{9}{7} = -1\frac{2}{7}\end{aligned}$$

$$\begin{aligned}\textcircled{4} \quad & \left(+\frac{3}{7}\right) \div \left(+\frac{2}{3}\right) \\ &= +\left(\frac{3}{7} \times \frac{3}{2}\right) \\ &= +\frac{9}{14}\end{aligned}$$

$$\begin{aligned}\textcircled{5} \quad & \left(+\frac{4}{9}\right) \div \left(-\frac{3}{4}\right) \\ &= -\left(\frac{4}{9} \times \frac{4}{3}\right) \\ &= -\frac{16}{27}\end{aligned}$$

$$\begin{aligned}\textcircled{6} \quad & \left(+\frac{6}{7}\right) \div \left(+\frac{2}{5}\right) \\ &= +\left(\frac{6}{7} \times \frac{5}{2}\right) \\ &= +\frac{30}{14} \\ &= +\frac{15}{7} = +1\frac{8}{7}\end{aligned}$$