

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。

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

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

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

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

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

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