

## 分数の正の数、負の数の除法

次の計算をしましょう。

$$\textcircled{1} \left( -\frac{3}{4} \right) \div \left( -\frac{7}{8} \right)$$

$$\textcircled{2} \left( -\frac{4}{9} \right) \div \left( -\frac{3}{8} \right)$$

$$\textcircled{3} \left( +\frac{4}{7} \right) \div \left( -\frac{6}{11} \right)$$

$$\textcircled{4} \left( +\frac{3}{7} \right) \div \left( +\frac{4}{9} \right)$$

$$\textcircled{5} \left( -\frac{4}{5} \right) \div \left( +\frac{9}{10} \right)$$

$$\textcircled{6} \left( +\frac{2}{11} \right) \div \left( -\frac{3}{4} \right)$$

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$$\begin{aligned}\textcircled{1} \quad & \left(-\frac{3}{4}\right) \div \left(-\frac{7}{8}\right) \\ &= + \left(\frac{3}{4} \times \frac{8}{7}\right) \\ &= + \frac{24}{28} \\ &= + \frac{6}{7}\end{aligned}$$

$$\begin{aligned}\textcircled{2} \quad & \left(-\frac{4}{9}\right) \div \left(-\frac{3}{8}\right) \\ &= + \left(\frac{4}{9} \times \frac{8}{3}\right) \\ &= + \frac{32}{27} = + 1 \frac{5}{27}\end{aligned}$$

$$\begin{aligned}\textcircled{3} \quad & \left(+\frac{4}{7}\right) \div \left(-\frac{6}{11}\right) \\ &= - \left(\frac{4}{7} \times \frac{11}{6}\right) \\ &= - \frac{44}{42} \\ &= - \frac{22}{21} = - 1 \frac{1}{21}\end{aligned}$$

$$\begin{aligned}\textcircled{4} \quad & \left(+\frac{3}{7}\right) \div \left(+\frac{4}{9}\right) \\ &= + \left(\frac{3}{7} \times \frac{9}{4}\right) \\ &= + \frac{27}{28}\end{aligned}$$

$$\begin{aligned}\textcircled{5} \quad & \left(-\frac{4}{5}\right) \div \left(+\frac{9}{10}\right) \\ &= - \left(\frac{4}{5} \times \frac{10}{9}\right) \\ &= - \frac{40}{45} \\ &= - \frac{8}{9}\end{aligned}$$

$$\begin{aligned}\textcircled{6} \quad & \left(+\frac{2}{11}\right) \div \left(-\frac{3}{4}\right) \\ &= - \left(\frac{2}{11} \times \frac{4}{3}\right) \\ &= - \frac{8}{33}\end{aligned}$$