

分数の正の数、負の数の除法

次の計算をしましょう。

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

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

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

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

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

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

分数の正の数、負の数の除法

次の計算をしましょう。

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

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

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

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

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

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