

分数の正の数、負の数の除法

次の計算をしましょう。

$$\textcircled{1} \left(+\frac{3}{4} \right) \div \left(-\frac{4}{9} \right)$$

$$\textcircled{2} \left(+\frac{2}{9} \right) \div \left(+\frac{2}{3} \right)$$

$$\textcircled{3} \left(+\frac{8}{9} \right) \div \left(+\frac{8}{11} \right)$$

$$\textcircled{4} \left(+\frac{5}{7} \right) \div \left(-\frac{2}{9} \right)$$

$$\textcircled{5} \left(+\frac{4}{11} \right) \div \left(-\frac{2}{7} \right)$$

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

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次の計算をしましょう。

$$\begin{aligned}\textcircled{1} \left(+\frac{3}{4} \right) \div \left(-\frac{4}{9} \right) \\ &= - \left(\frac{3}{4} \times \frac{9}{4} \right) \\ &= -\frac{27}{16} = -1\frac{11}{16}\end{aligned}$$

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

$$\begin{aligned}\textcircled{3} \left(+\frac{8}{9} \right) \div \left(+\frac{8}{11} \right) \\ &= + \left(\frac{8}{9} \times \frac{11}{8} \right) \\ &= +\frac{88}{72} \\ &= +\frac{11}{9} = +1\frac{2}{9}\end{aligned}$$

$$\begin{aligned}\textcircled{4} \left(+\frac{5}{7} \right) \div \left(-\frac{2}{9} \right) \\ &= - \left(\frac{5}{7} \times \frac{9}{2} \right) \\ &= -\frac{45}{14} = -1\frac{31}{14}\end{aligned}$$

$$\begin{aligned}\textcircled{5} \left(+\frac{4}{11} \right) \div \left(-\frac{2}{7} \right) \\ &= - \left(\frac{4}{11} \times \frac{7}{2} \right) \\ &= -\frac{28}{22} \\ &= -\frac{14}{11} = -1\frac{3}{11}\end{aligned}$$

$$\begin{aligned}\textcircled{6} \left(-\frac{2}{3} \right) \div \left(-\frac{3}{7} \right) \\ &= + \left(\frac{2}{3} \times \frac{7}{3} \right) \\ &= +\frac{14}{9} = +1\frac{5}{9}\end{aligned}$$