

## 分数の正の数、負の数の乗法

次の計算をしましょう。

$$\textcircled{1} \left(-\frac{2}{9}\right) \times \left(+\frac{5}{6}\right)$$

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

$$\textcircled{3} \left(+\frac{4}{7}\right) \times \left(+\frac{7}{8}\right)$$

$$\textcircled{4} \left(+\frac{5}{6}\right) \times \left(-\frac{5}{8}\right)$$

$$\textcircled{5} \left(+\frac{3}{5}\right) \times \left(+\frac{7}{8}\right)$$

$$\textcircled{6} \left(-\frac{4}{11}\right) \times \left(+\frac{3}{5}\right)$$

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次の計算をしましょう。

$$\begin{aligned}\textcircled{1} \quad & \left(-\frac{2}{9}\right) \times \left(+\frac{5}{6}\right) \\ &= -\left(\frac{2}{9} \times \frac{5}{6}\right) \\ &= -\frac{10}{54} \\ &= -\frac{5}{27}\end{aligned}$$

$$\begin{aligned}\textcircled{2} \quad & \left(+\frac{4}{7}\right) \times \left(-\frac{4}{9}\right) \\ &= -\left(\frac{4}{7} \times \frac{4}{9}\right) \\ &= -\frac{16}{63}\end{aligned}$$

$$\begin{aligned}\textcircled{3} \quad & \left(+\frac{4}{7}\right) \times \left(+\frac{7}{8}\right) \\ &= +\left(\frac{4}{7} \times \frac{7}{8}\right) \\ &= +\frac{28}{56} \\ &= +\frac{1}{2}\end{aligned}$$

$$\begin{aligned}\textcircled{4} \quad & \left(+\frac{5}{6}\right) \times \left(-\frac{5}{8}\right) \\ &= -\left(\frac{5}{6} \times \frac{5}{8}\right) \\ &= -\frac{25}{48}\end{aligned}$$

$$\begin{aligned}\textcircled{5} \quad & \left(+\frac{3}{5}\right) \times \left(+\frac{7}{8}\right) \\ &= +\left(\frac{3}{5} \times \frac{7}{8}\right) \\ &= +\frac{21}{40}\end{aligned}$$

$$\begin{aligned}\textcircled{6} \quad & \left(-\frac{4}{11}\right) \times \left(+\frac{3}{5}\right) \\ &= -\left(\frac{4}{11} \times \frac{3}{5}\right) \\ &= -\frac{12}{55}\end{aligned}$$