

## 分数の正の数、負の数の乗法

次の計算をしましょう。

$$\textcircled{1} \left(-\frac{3}{4}\right) \times \left(-\frac{2}{5}\right)$$

$$\textcircled{2} \left(+\frac{3}{5}\right) \times \left(-\frac{4}{7}\right)$$

$$\textcircled{3} \left(-\frac{4}{9}\right) \times \left(+\frac{4}{5}\right)$$

$$\textcircled{4} \left(-\frac{2}{9}\right) \times \left(+\frac{3}{7}\right)$$

$$\textcircled{5} \left(+\frac{2}{7}\right) \times \left(+\frac{5}{8}\right)$$

$$\textcircled{6} \left(+\frac{7}{10}\right) \times \left(+\frac{8}{11}\right)$$

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次の計算をしましょう。

$$\begin{aligned}\textcircled{1} \left(-\frac{3}{4}\right) \times \left(-\frac{2}{5}\right) \\ &= + \left(\frac{3}{4} \times \frac{2}{5}\right) \\ &= + \frac{6}{20} \\ &= + \frac{3}{10}\end{aligned}$$

$$\begin{aligned}\textcircled{2} \left(+\frac{3}{5}\right) \times \left(-\frac{4}{7}\right) \\ &= - \left(\frac{3}{5} \times \frac{4}{7}\right) \\ &= - \frac{12}{35}\end{aligned}$$

$$\begin{aligned}\textcircled{3} \left(-\frac{4}{9}\right) \times \left(+\frac{4}{5}\right) \\ &= - \left(\frac{4}{9} \times \frac{4}{5}\right) \\ &= - \frac{16}{45}\end{aligned}$$

$$\begin{aligned}\textcircled{4} \left(-\frac{2}{9}\right) \times \left(+\frac{3}{7}\right) \\ &= - \left(\frac{2}{9} \times \frac{3}{7}\right) \\ &= - \frac{6}{63} \\ &= - \frac{2}{21}\end{aligned}$$

$$\begin{aligned}\textcircled{5} \left(+\frac{2}{7}\right) \times \left(+\frac{5}{8}\right) \\ &= + \left(\frac{2}{7} \times \frac{5}{8}\right) \\ &= + \frac{10}{56} \\ &= + \frac{5}{28}\end{aligned}$$

$$\begin{aligned}\textcircled{6} \left(+\frac{7}{10}\right) \times \left(+\frac{8}{11}\right) \\ &= + \left(\frac{7}{10} \times \frac{8}{11}\right) \\ &= + \frac{56}{110} \\ &= + \frac{28}{55}\end{aligned}$$