

## 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。

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

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

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

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

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

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