

## 分数の正の数、負の数の乗法

次の計算をしましょう。

$$\textcircled{1} \left( -\frac{4}{9} \right) \times \left( +\frac{3}{7} \right)$$

$$\textcircled{2} \left( -\frac{2}{3} \right) \times \left( -\frac{2}{11} \right)$$

$$\textcircled{3} \left( -\frac{8}{11} \right) \times \left( -\frac{3}{7} \right)$$

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

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

$$\textcircled{6} \left( +\frac{4}{9} \right) \times \left( -\frac{5}{6} \right)$$

# 分数の正の数、負の数の乗法

次の計算をしましょう。

$$\begin{aligned} \textcircled{1} \quad & \left( -\frac{4}{9} \right) \times \left( +\frac{3}{7} \right) \\ & = - \left( \frac{4}{9} \times \frac{3}{7} \right) \\ & = - \frac{12}{63} \\ & = - \frac{4}{21} \end{aligned}$$

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

$$\begin{aligned} \textcircled{3} \quad & \left( -\frac{8}{11} \right) \times \left( -\frac{3}{7} \right) \\ & = + \left( \frac{8}{11} \times \frac{3}{7} \right) \\ & = + \frac{24}{77} \end{aligned}$$

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

$$\begin{aligned} \textcircled{5} \quad & \left( -\frac{2}{3} \right) \times \left( -\frac{3}{7} \right) \\ & = + \left( \frac{2}{3} \times \frac{3}{7} \right) \\ & = + \frac{6}{21} \\ & = + \frac{2}{7} \end{aligned}$$

$$\begin{aligned} \textcircled{6} \quad & \left( +\frac{4}{9} \right) \times \left( -\frac{5}{6} \right) \\ & = - \left( \frac{4}{9} \times \frac{5}{6} \right) \\ & = - \frac{20}{54} \\ & = - \frac{10}{27} \end{aligned}$$