

分数の正の数、負の数の乗法

次の計算をしましょう。

$$\textcircled{1} \left(+\frac{4}{7} \right) \times \left(-\frac{2}{3} \right)$$

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

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

$$\textcircled{4} \left(+\frac{5}{6} \right) \times \left(-\frac{3}{7} \right)$$

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

$$\textcircled{6} \left(-\frac{3}{8} \right) \times \left(+\frac{4}{7} \right)$$

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次の計算をしましょう。

$$\begin{aligned} \textcircled{1} & \left(+\frac{4}{7} \right) \times \left(-\frac{2}{3} \right) \\ &= -\left(\frac{4}{7} \times \frac{2}{3} \right) \\ &= -\frac{8}{21} \end{aligned}$$

$$\begin{aligned} \textcircled{2} & \left(+\frac{5}{7} \right) \times \left(-\frac{4}{11} \right) \\ &= -\left(\frac{5}{7} \times \frac{4}{11} \right) \\ &= -\frac{20}{77} \end{aligned}$$

$$\begin{aligned} \textcircled{3} & \left(+\frac{3}{4} \right) \times \left(-\frac{4}{9} \right) \\ &= -\left(\frac{3}{4} \times \frac{4}{9} \right) \\ &= -\frac{12}{36} \\ &= -\frac{1}{3} \end{aligned}$$

$$\begin{aligned} \textcircled{4} & \left(+\frac{5}{6} \right) \times \left(-\frac{3}{7} \right) \\ &= -\left(\frac{5}{6} \times \frac{3}{7} \right) \\ &= -\frac{15}{42} \\ &= -\frac{5}{14} \end{aligned}$$

$$\begin{aligned} \textcircled{5} & \left(-\frac{3}{7} \right) \times \left(+\frac{3}{4} \right) \\ &= -\left(\frac{3}{7} \times \frac{3}{4} \right) \\ &= -\frac{9}{28} \end{aligned}$$

$$\begin{aligned} \textcircled{6} & \left(-\frac{3}{8} \right) \times \left(+\frac{4}{7} \right) \\ &= -\left(\frac{3}{8} \times \frac{4}{7} \right) \\ &= -\frac{12}{56} \\ &= -\frac{3}{14} \end{aligned}$$