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分数と整数のかけ算、わり算

年 組 番 名前

分数×整数

$$\frac{\triangle}{\bigcirc} \times \square = \frac{\triangle \times \square}{\bigcirc}$$

分数÷整数

$$\frac{\triangle}{\bigcirc} \div \square = \frac{\triangle}{\bigcirc \times \square}$$

練習1 計算しましょう。

$$\begin{aligned} \textcircled{1} \quad \frac{1}{4} \times 3 &= \frac{1 \times 3}{4} \\ &= \frac{3}{4} \end{aligned}$$

$$\begin{aligned} \textcircled{2} \quad \frac{4}{9} \times 2 &= \frac{4 \times 2}{9} \\ &= \frac{8}{9} \end{aligned}$$

$$\begin{aligned} \textcircled{3} \quad \frac{2}{5} \times 4 &= \frac{2 \times 4}{5} \\ &= \frac{8}{5} \end{aligned}$$

$$\begin{aligned} \textcircled{4} \quad \frac{5}{6} \times 3 &= \frac{5 \times \cancel{3}1}{\cancel{6}2} \\ &= \frac{5}{2} \end{aligned}$$

$$\begin{aligned} \textcircled{5} \quad \frac{4}{15} \times 5 &= \frac{4 \times \cancel{5}1}{1\cancel{5}3} \\ &= \frac{4}{3} \end{aligned}$$

$$\begin{aligned} \textcircled{6} \quad \frac{3}{2} \times 6 &= \frac{3 \times \cancel{6}3}{\cancel{2}1} \\ &= 9 \end{aligned}$$

$$\begin{aligned} \textcircled{7} \quad \frac{4}{9} \div 5 &= \frac{4}{9 \times 5} \\ &= \frac{4}{45} \end{aligned}$$

$$\begin{aligned} \textcircled{8} \quad \frac{1}{6} \div 2 &= \frac{1}{6 \times 2} \\ &= \frac{1}{12} \end{aligned}$$

$$\begin{aligned} \textcircled{9} \quad \frac{5}{8} \div 8 &= \frac{5}{8 \times 8} \\ &= \frac{5}{64} \end{aligned}$$

$$\begin{aligned} \textcircled{10} \quad \frac{6}{7} \div 3 &= \frac{\cancel{6}2}{7 \times \cancel{3}1} \\ &= \frac{2}{7} \end{aligned}$$

$$\begin{aligned} \textcircled{11} \quad \frac{3}{2} \div 3 &= \frac{\cancel{3}1}{2 \times \cancel{3}1} \\ &= \frac{1}{2} \end{aligned}$$

$$\begin{aligned} \textcircled{12} \quad \frac{9}{2} \div 3 &= \frac{\cancel{9}3}{2 \times \cancel{3}1} \\ &= \frac{3}{2} \end{aligned}$$