

6年
3
(2)

分数・小数の混合計算

年 組
名前

1 次の計算をしましょう。

※かけ算やわり算の場合は、分数にそろえた方が計算が「簡単」「速い」ですね。

$$\begin{aligned} \text{① } \frac{5}{7} \times 0.8 &= \frac{5}{7} \times \frac{8}{10} \\ &= \frac{4}{7} \end{aligned}$$

$$\begin{aligned} \text{② } 0.45 \div \frac{3}{8} &= \frac{45}{100} \div \frac{3}{8} \\ &= \frac{9}{20} \times \frac{8}{3} \\ &= \frac{6}{5} \end{aligned}$$

$$\begin{aligned} \text{③ } 0.35 \times 1\frac{1}{14} &= \frac{35}{100} \times \frac{15}{14} \\ &= \frac{3}{8} \end{aligned}$$

$$\begin{aligned} \text{④ } 1.25 \div \frac{15}{16} &= \frac{125}{100} \div \frac{15}{16} \\ &= \frac{5}{4} \times \frac{16}{15} \\ &= \frac{4}{3} \end{aligned}$$

$$\begin{aligned} \text{⑤ } 0.4 \div \frac{8}{9} \times \frac{5}{12} &= \frac{4}{10} \div \frac{8}{9} \times \frac{5}{12} \\ &= \frac{2}{5} \times \frac{9}{8} \times \frac{5}{12} \\ &= \frac{3}{16} \end{aligned}$$

$$\begin{aligned} \text{⑥ } 0.64 \times \frac{5}{9} \times \frac{3}{8} &= \frac{64}{100} \times \frac{5}{9} \times \frac{3}{8} \\ &= \frac{2}{15} \end{aligned}$$

$$\begin{aligned} \text{⑦ } \frac{8}{15} \div 0.3 \times 0.75 &= \frac{8}{15} \div \frac{3}{10} \times \frac{75}{100} \\ &= \frac{8}{15} \times \frac{10}{3} \times \frac{3}{4} \\ &= \frac{4}{3} \end{aligned}$$

$$\begin{aligned} \text{⑧ } 1.05 \div 0.7 \times \frac{5}{12} &= \frac{105}{100} \div \frac{7}{10} \times \frac{5}{12} \\ &= \frac{21}{20} \times \frac{10}{7} \times \frac{5}{12} \\ &= \frac{5}{8} \end{aligned}$$