

## 分数の計算 くふうして計算する

目標時間 10分

NO. 1

名前

/5 点

★次の式をくふうして計算をしましょう。(途中式を書きましょう。)

$$\textcircled{1} \quad \frac{5}{8} \times \frac{2}{5} + \frac{5}{4} \times \frac{2}{5}$$

$$\textcircled{2} \quad \frac{2}{7} \times \frac{7}{12} - \frac{2}{7} \times \frac{1}{6}$$

$$\textcircled{3} \quad 2.8 \times \frac{2}{5} + 7.2 \times \frac{2}{5}$$

$$\textcircled{4} \quad 6.3 \times \frac{1}{3} - 6.3 \times \frac{1}{6}$$

$$\textcircled{5} \quad 4.2 \times \frac{1}{4} + 4.2 \times \frac{3}{8} - 4.2 \times \frac{1}{2}$$

## 答え

$$\begin{aligned} \textcircled{1} \quad \left( \frac{5}{8} + \frac{5}{4} \right) \times \frac{2}{5} &= \left( \frac{5}{8} + \frac{10}{8} \right) \times \frac{2}{5} \\ &= \frac{15}{8} \times \frac{2}{5} = \frac{3}{4} \end{aligned}$$

$$\begin{aligned} \textcircled{2} \quad \frac{2}{7} \times \left( \frac{7}{12} - \frac{1}{6} \right) &= \frac{2}{7} \times \left( \frac{7}{12} - \frac{2}{12} \right) \\ &= \frac{2}{7} \times \frac{5}{12} = \frac{5}{42} \end{aligned}$$

$$\textcircled{3} \quad (2.8 + 7.2) \times \frac{2}{5} = 10 \times \frac{2}{5} = 4$$

$$\begin{aligned} \textcircled{4} \quad 6.3 \times \left( \frac{1}{3} - \frac{1}{6} \right) &= \frac{63}{10} \times \left( \frac{2}{6} - \frac{1}{6} \right) \\ &= \frac{63}{10} \times \frac{1}{6} = \frac{21}{20} \end{aligned}$$

$$\begin{aligned} \textcircled{5} \quad 4.2 \times \left( \frac{1}{4} + \frac{3}{8} - \frac{1}{2} \right) \\ &= 4.2 \times \left( \frac{2}{8} + \frac{3}{8} - \frac{4}{8} \right) \\ &= \frac{42}{10} \times \frac{1}{8} = \frac{21}{40} \end{aligned}$$