

分数の四則計算 レベル5

目標時間	10分
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NO.1

名前

/ 6 点

□ 次の計算をなさい

$$\textcircled{1} \quad 2 \frac{1}{2} \div \frac{5}{6} - 0.8 \times \frac{5}{4}$$

$$\textcircled{2} \quad \left(\frac{3}{4} - 0.5 \right) \times \frac{8}{3} + \frac{1}{6}$$

$$\textcircled{3} \quad 1.2 \div \left(\frac{2}{3} + \frac{1}{6} \right) - \frac{1}{5}$$

$$\textcircled{4} \quad \frac{5}{8} \times \left(2 - \frac{2}{5} \right) \div \frac{3}{4}$$

$$\textcircled{5} \quad \left\{ 1 - \left(\frac{1}{2} + \frac{1}{3} \right) \times \frac{3}{5} \right\} \div \frac{1}{2}$$

$$\textcircled{6} \quad 0.75 \div \frac{3}{8} - 1 \frac{1}{3} \times 4$$

答え

$$\textcircled{1} \quad \frac{5}{2} \times \frac{6}{5} = \frac{4}{5} \times \frac{5}{4} = 3 - 1 = 2$$

$$\begin{aligned} \textcircled{2} \quad \left(\frac{3}{4} - \frac{1}{2}\right) \times \frac{3}{8} + \frac{1}{6} &= \left(\frac{3}{4} - \frac{2}{4}\right) \times \frac{3}{8} + \frac{1}{6} \\ &= \frac{1}{4} \times \frac{3}{8} + \frac{1}{6} = \frac{3}{32} + \frac{1}{6} = \frac{9}{96} + \frac{16}{96} \\ &= \frac{25}{96} \end{aligned}$$

$$\begin{aligned} \textcircled{3} \quad \frac{6}{5} \div \left(\frac{4}{6} + \frac{1}{6}\right) - \frac{1}{5} &= \frac{2}{5} \div \frac{5}{6} - \frac{1}{5} \\ &= \frac{6}{5} \times \frac{6}{5} - \frac{1}{5} = \frac{36}{25} - \frac{1}{5} = \frac{36}{25} - \frac{5}{25} = \frac{31}{25} \end{aligned}$$

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

$$\begin{aligned} \textcircled{5} \quad \left\{1 - \left(\frac{1}{2} + \frac{1}{3}\right) \times \frac{3}{5}\right\} \div \frac{1}{2} \\ &= \left\{1 - \left(\frac{3}{6} + \frac{2}{6}\right) \times \frac{3}{5}\right\} \div \frac{1}{2} \\ &= \left(1 - \frac{5}{6} \times \frac{3}{5}\right) \times 2 = \left(1 - \frac{1}{2}\right) \times 2 \\ &= \frac{1}{2} \times 2 = 1 \end{aligned}$$

$$\textcircled{6} \quad \frac{3}{4} \times \frac{8}{3} - \frac{4}{3} \times 4 = 2 - 1 = 1$$