

分数の四則計算 レベル5

目標時間	10分
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NO.2

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□ 次の計算をなさい

① $1 \frac{3}{4} \times \frac{6}{7} + 1.5 \div \frac{5}{2}$

② $(\frac{2}{3} + 0.25) \div \frac{11}{6} - \frac{1}{4}$

③ $1.6 \times (\frac{5}{6} - \frac{3}{8}) + \frac{4}{15}$

④ $\frac{7}{9} \div (1 + \frac{1}{6}) \times \frac{3}{4}$

⑤ $\{ 2 + (\frac{3}{4} - \frac{2}{5}) \div \frac{7}{10} \} \times \frac{2}{5}$

⑥ $1.25 \times \frac{4}{5} + 2 \frac{2}{3} \div 4$

答え

$$\textcircled{1} \quad \frac{7}{4} \times \frac{6}{7} + \frac{3}{2} \times \frac{2}{5} = \frac{3}{2} + \frac{3}{5} = \frac{15}{10} + \frac{6}{10} = \frac{21}{10}$$

$$\begin{aligned} \textcircled{2} \quad \left(\frac{2}{3} + \frac{1}{4}\right) \div \frac{11}{6} - \frac{1}{4} &= \left(\frac{8}{12} + \frac{3}{12}\right) \times \frac{6}{11} - \frac{1}{4} \\ &= \frac{11}{12} \times \frac{6}{11} - \frac{1}{4} = \frac{1}{2} - \frac{1}{4} = \frac{2}{4} - \frac{1}{4} \\ &= \frac{1}{4} \end{aligned}$$

$$\begin{aligned} \textcircled{3} \quad \frac{16}{10} \times \left(\frac{20}{24} - \frac{9}{24}\right) + \frac{4}{15} &= \frac{8}{5} \times \frac{11}{24} + \frac{4}{15} \\ &= \frac{11}{15} + \frac{4}{15} = \frac{15}{15} = 1 \end{aligned}$$

$$\textcircled{4} \quad \frac{7}{9} \div \frac{7}{6} \times \frac{3}{4} = \frac{7}{9} \times \frac{6}{7} \times \frac{3}{4} = \frac{1}{2}$$

$$\begin{aligned} \textcircled{5} \quad \left\{ 2 + \left(\frac{15}{20} - \frac{8}{20}\right) \times \frac{10}{7} \right\} \times \frac{2}{5} \\ &= \left\{ 2 + \frac{7}{20} \times \frac{10}{7} \right\} \times \frac{2}{5} \\ &= \left(2 + \frac{1}{2} \right) \times \frac{2}{5} = \frac{5}{2} \times \frac{2}{5} = 1 \end{aligned}$$

$$\textcircled{6} \quad \frac{5}{4} \times \frac{4}{5} + \frac{8}{3} \times \frac{1}{4} = 1 + \frac{2}{3} = \frac{5}{3}$$