

分数の四則計算 レベル3

目標時間	10分
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NO.3

名前

／8 点

□ 次の計算をしなさい

① $\left(\frac{3}{4} + \frac{2}{5}\right) \times \frac{10}{23}$

② $\frac{5}{6} \times \frac{9}{10} + \frac{3}{8} \div \frac{9}{4}$

③ $7 \div \left(\frac{2}{5} + \frac{1}{3}\right)$

④ $9 - \left(\frac{3}{5} + \frac{1}{4}\right) \times 10$

⑤ $\frac{5}{6} \div \frac{25}{21} - \frac{3}{8} \times \frac{4}{9}$

⑥ $\left(\frac{7}{4} - \frac{2}{5}\right) \div 9$

⑦ $6 + \left(\frac{5}{8} - \frac{1}{6}\right) \times 12$

⑧ $\frac{3}{10} \div \frac{9}{8} + \frac{5}{12} \times \frac{4}{15} + \frac{1}{6}$

答え

$$\textcircled{1} \quad \left(\frac{15}{20} + \frac{8}{20}\right) \times \frac{10}{23} = \frac{23}{20} \times \frac{10}{23} = \frac{1}{2}$$

$$\textcircled{2} \quad \frac{5}{6} \times \frac{9}{10} + \frac{3}{8} \times \frac{4}{9} = \frac{3}{4} + \frac{1}{6} = \frac{9}{12} + \frac{2}{12} = \frac{11}{12}$$

$$\textcircled{3} \quad 7 \div \left(\frac{6}{15} + \frac{5}{15}\right) = 7 \div \frac{11}{15} = 7 \times \frac{15}{11} = \frac{105}{11}$$

$$\begin{aligned} \textcircled{4} \quad 9 - \left(\frac{12}{20} + \frac{5}{20}\right) \times 10 &= 9 - \frac{17}{20} \times 10 \\ &= 9 - \frac{17}{2} = \frac{18}{2} - \frac{17}{2} = \frac{1}{2} \end{aligned}$$

$$\begin{aligned} \textcircled{5} \quad \frac{5}{6} \times \frac{21}{25} - \frac{3}{8} \times \frac{9}{4} &= \frac{7}{10} - \frac{1}{6} = \frac{21}{30} - \frac{5}{30} = \frac{16}{30} \\ &= \frac{8}{15} \end{aligned}$$

$$\textcircled{6} \quad \left(\frac{35}{20} - \frac{8}{20}\right) \times \frac{1}{9} = \frac{27}{20} \times \frac{1}{9} = \frac{3}{20}$$

$$\begin{aligned} \textcircled{7} \quad 6 + \left(\frac{15}{24} - \frac{4}{24}\right) \times 12 &= 6 + \frac{11}{24} \times 12 \\ &= \frac{12}{2} + \frac{11}{2} = \frac{23}{2} \end{aligned}$$

$$\begin{aligned} \textcircled{8} \quad \frac{3}{10} \times \frac{8}{9} + \frac{5}{12} \times \frac{4}{15} + \frac{1}{6} &= \frac{4}{15} + \frac{1}{9} + \frac{1}{6} \\ &= \frac{24}{90} + \frac{10}{90} + \frac{15}{90} = \frac{49}{90} \end{aligned}$$