

## 分数の四則計算 レベル3

目標時間

10分

NO.1

名前

/8 点

□ 次の計算をしなさい

① 
$$\left(\frac{1}{2} + \frac{1}{3}\right) \times \frac{6}{5}$$

② 
$$\frac{2}{3} \times \frac{9}{10} + \frac{1}{5} \div \frac{2}{3}$$

③ 
$$8 \div \left(\frac{2}{3} + \frac{4}{9}\right)$$

④ 
$$9 - \left(\frac{3}{4} + \frac{2}{3}\right) \times 6$$

⑤ 
$$\frac{5}{6} \div \frac{5}{9} - \frac{3}{4} \times \frac{2}{9}$$

⑥ 
$$\left(\frac{8}{3} - \frac{1}{6}\right) \div 12$$

⑦ 
$$5 + \left(\frac{5}{6} - \frac{1}{3}\right) \times 3$$

⑧ 
$$\frac{3}{4} \div \frac{3}{2} + \frac{5}{6} \times \frac{3}{10} + \frac{1}{4}$$

答え

$$\textcircled{1} \quad \left(\frac{3}{6} + \frac{2}{6}\right) \times \frac{6}{5} = \frac{5}{6} \times \frac{6}{5} = 1$$

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

$$\textcircled{3} \quad 8 \div \left(\frac{6}{9} + \frac{4}{9}\right) = 8 \div \frac{10}{9} = 8 \times \frac{9}{10} = \frac{36}{5}$$

$$\begin{aligned} \textcircled{4} \quad 9 - \left(\frac{9}{12} + \frac{8}{12}\right) \times 6 &= 9 - \frac{17}{12} \times 6 \\ &= 9 - \frac{17}{2} = \frac{18}{2} - \frac{17}{2} = \frac{1}{2} \end{aligned}$$

$$\begin{aligned} \textcircled{5} \quad \frac{5}{6} \times \frac{9}{5} - \frac{3}{4} \times \frac{2}{9} &= \frac{3}{2} - \frac{1}{6} = \frac{9}{6} - \frac{1}{6} \\ &= \frac{8}{6} = \frac{4}{3} \end{aligned}$$

$$\textcircled{6} \quad \left(\frac{16}{6} - \frac{1}{6}\right) \times \frac{1}{12} = \frac{15}{6} \times \frac{1}{12} = \frac{5}{24}$$

$$\begin{aligned} \textcircled{7} \quad 5 + \left(\frac{5}{6} - \frac{2}{6}\right) \times 3 &= 5 + \frac{3}{6} \times 3 \\ &= \frac{10}{2} + \frac{3}{2} = \frac{13}{2} \end{aligned}$$

$$\begin{aligned} \textcircled{8} \quad \frac{3}{4} \times \frac{2}{3} + \frac{5}{6} \times \frac{3}{10} + \frac{1}{4} &= \frac{1}{2} + \frac{1}{4} + \frac{1}{4} \\ &= \frac{2}{4} + \frac{1}{4} + \frac{1}{4} = \frac{4}{4} = 1 \end{aligned}$$