

四則混合 ②

1問12点(減点法)

①

$$\begin{aligned}
 & 1.2 + \frac{2}{5} \div 3 \\
 &= \frac{\cancel{12}^6}{\cancel{10}_5} + \frac{2}{5} \times \frac{1}{3} \\
 &= \frac{18}{15} + \frac{2}{15} \\
 &= \frac{\cancel{20}^4}{\cancel{15}_3} \\
 &= \frac{4}{3}
 \end{aligned}$$

③

$$\begin{aligned}
 & \frac{8}{5} \div (1.4 \times 0.4) \\
 &= \frac{8}{5} \div \left(\frac{\cancel{14}^7}{\cancel{5}_1} \times \frac{\cancel{4}^2}{\cancel{10}_5} \right) \\
 &= \frac{8}{5} \div \frac{14}{25} \\
 &= \frac{\cancel{4}^4}{\cancel{5}_1} \times \frac{\cancel{25}^5}{\cancel{14}_7} \\
 &= \frac{20}{7}
 \end{aligned}$$

②

$$\begin{aligned}
 & 2.1 \times \frac{1}{7} - \frac{1}{5} \\
 &= \frac{\cancel{21}^3}{\cancel{10}_3} \times \frac{1}{\cancel{7}_1} - \frac{1}{5} \\
 &= \frac{3}{10} - \frac{2}{10} \\
 &= \frac{1}{10}
 \end{aligned}$$

④

$$\begin{aligned}
 & \frac{7}{6} \div (0.7 \div 0.9) \\
 &= \frac{7}{6} \div \left(\frac{\cancel{7}_1}{\cancel{10}_1} \times \frac{\cancel{10}^1}{9} \right) \\
 &= \frac{\cancel{7}^1}{\cancel{2}_2} \times \frac{\cancel{9}^3}{\cancel{7}_1} \\
 &= \frac{3}{2}
 \end{aligned}$$

$$\begin{aligned}
 & \textcircled{5} \quad 4\frac{3}{8} \times \frac{1}{5} + \frac{3}{16} \\
 & = \frac{35}{8} \times \frac{1}{5} + \frac{3}{16} \\
 & = \frac{7}{8} + \frac{3}{16} \\
 & = \frac{14}{16} + \frac{3}{16} \\
 & = \frac{17}{16}
 \end{aligned}$$

$$\begin{aligned}
 & \textcircled{7} \quad \left(2\frac{1}{2} - \frac{4}{9}\right) \times \frac{18}{5} \\
 & = \left(\frac{5}{2} - \frac{8}{9}\right) \times \frac{18}{5} \\
 & = \left(\frac{45}{18} - \frac{8}{18}\right) \times \frac{18}{5} \\
 & = \frac{37}{18} \times \frac{18}{5} \\
 & = \frac{37}{5}
 \end{aligned}$$

$$\begin{aligned}
 & \textcircled{6} \quad 1\frac{1}{9} \div \left(\frac{5}{6} - \frac{5}{8}\right) \\
 & = \frac{10}{9} \div \left(\frac{20}{24} - \frac{15}{24}\right) \\
 & = \frac{10}{9} \times \frac{24}{5} \\
 & = \frac{16}{3}
 \end{aligned}$$

$$\begin{aligned}
 & \textcircled{8} \quad \left(\frac{1}{3} + 3\frac{3}{4}\right) \times \frac{12}{7} \\
 & = \left(\frac{1}{3} + \frac{15}{4}\right) \times \frac{12}{7} \\
 & = \left(\frac{4}{12} + \frac{45}{12}\right) \times \frac{12}{7} \\
 & = \frac{49}{12} \times \frac{12}{7} \\
 & = 7
 \end{aligned}$$