

1. 다음을 계산하시오.

$$\frac{1}{4} + \frac{2}{9}$$

▶ 답:

▷ 정답: $\frac{17}{36}$

해설

$$\frac{1}{4} + \frac{2}{9} = \frac{9}{36} + \frac{8}{36} = \frac{17}{36}$$

2. 다음을 계산하시오.

$$\frac{9}{10} - \frac{4}{5} + \frac{1}{2}$$

▶ 답:

▷ 정답: $\frac{3}{5}$

해설

앞에서부터 두 분수씩 차례로 통분하여 더합니다.

$$\begin{aligned}\frac{9}{10} - \frac{4}{5} + \frac{1}{2} &= \left(\frac{9}{10} - \frac{8}{10}\right) + \frac{1}{2} \\ &= \frac{1}{10} + \frac{1}{2} = \frac{1}{10} + \frac{5}{10} = \frac{6}{10} = \frac{3}{5}\end{aligned}$$

3. 다음 중 분수의 합이 1 보다 큰 식은 어느 것입니까?

① $\frac{1}{4} + \frac{3}{5}$ ② $\frac{7}{9} + \frac{1}{18}$ ③ $\frac{1}{3} + \frac{5}{7}$
④ $\frac{5}{8} + \frac{3}{10}$ ⑤ $\frac{1}{4} + \frac{5}{7}$

해설

① $\frac{1}{4} + \frac{3}{5} = \frac{5}{20} + \frac{12}{20} = \frac{17}{20}$
② $\frac{7}{9} + \frac{1}{18} = \frac{14}{18} + \frac{1}{18} = \frac{15}{18} = \frac{5}{6}$
③ $\frac{1}{3} + \frac{5}{7} = \frac{7}{21} + \frac{15}{21} = \frac{22}{21} = 1\frac{1}{21}$
④ $\frac{5}{8} + \frac{3}{10} = \frac{25}{40} + \frac{12}{40} = \frac{37}{40}$
⑤ $\frac{1}{4} + \frac{5}{7} = \frac{7}{28} + \frac{20}{28} = \frac{27}{28}$

4. 다음을 계산하시오.

$$7\frac{1}{8} - 4\frac{1}{3}$$

- ① $1\frac{19}{24}$ ② $2\frac{19}{24}$ ③ $3\frac{19}{24}$ ④ $3\frac{9}{24}$ ⑤ $2\frac{9}{24}$

해설

$$7\frac{1}{8} - 4\frac{1}{3} = 7\frac{3}{24} - 4\frac{8}{24} = 6\frac{27}{24} - 4\frac{8}{24} = 2\frac{19}{24}$$

5. 다음을 계산하시오.

$$\frac{2}{3} + \frac{1}{2} + \frac{1}{6}$$

- ① $\frac{1}{6}$ ② $\frac{1}{4}$ ③ $\frac{1}{3}$ ④ $\frac{2}{3}$ ⑤ $1\frac{1}{3}$

해설

앞에서부터 두 분수씩 차례로 통분하여 더합니다.

$$\frac{2}{3} + \frac{1}{2} + \frac{1}{6} = \left(\frac{4}{6} + \frac{3}{6}\right) + \frac{1}{6} = \frac{7}{6} + \frac{1}{6}$$

$$= \frac{8}{6} = 1\frac{2}{6} = 1\frac{1}{3}$$

6. 다음에서 ㉔에 알맞은 수를 구하시오.

$$\frac{3}{10} + \textcircled{\text{㉓}} = \frac{8}{15}, \textcircled{\text{㉓}} - \frac{1}{12} = \textcircled{\text{㉔}}$$

▶ 답:

▶ 정답: $\frac{3}{20}$

해설

$$\begin{aligned}\textcircled{\text{㉓}} &= \frac{8}{15} - \frac{3}{10} = \frac{16}{30} - \frac{9}{30} = \frac{7}{30} \\ \textcircled{\text{㉔}} &= \frac{7}{30} - \frac{1}{12} = \frac{14}{60} - \frac{5}{60} = \frac{9}{60} = \frac{3}{20}\end{aligned}$$

