

1. 다음을 계산하시오.

$$6\frac{3}{4} - 2\frac{7}{8}$$

① $2\frac{7}{8}$

② $3\frac{1}{8}$

③ $3\frac{3}{8}$

④ $3\frac{5}{8}$

⑤ $3\frac{7}{8}$

해설

$$\begin{aligned} 6\frac{3}{4} - 2\frac{7}{8} &= 6\frac{3 \times 2}{4 \times 2} - 2\frac{7}{8} = 6\frac{6}{8} - 2\frac{7}{8} = 5\frac{14}{8} - 2\frac{7}{8} = (5 - 2) + \\ &\left(\frac{14}{8} - \frac{7}{8}\right) = 3 + \frac{7}{8} = 3\frac{7}{8} \end{aligned}$$

2. 다음을 계산하시오.

$$13\frac{8}{11} - 5\frac{1}{4}$$

① $4\frac{5}{18}$

② $8\frac{21}{44}$

③ $2\frac{19}{24}$

④ $6\frac{22}{35}$

⑤ $5\frac{11}{44}$

해설

$$13\frac{8}{11} - 5\frac{1}{4} = 13\frac{32}{44} - 5\frac{11}{44} = 8\frac{21}{44}$$

3. 분수의 차가 3 보다 큰 것을 모두 고르시오.

① $6\frac{2}{3} - 4\frac{5}{6}$

② $5\frac{4}{9} - 2\frac{11}{12}$

③ $5\frac{13}{15} - 2\frac{23}{30}$

④ $4\frac{11}{24} - \frac{17}{36}$

⑤ $5\frac{5}{7} - 2\frac{4}{5}$

해설

① $6\frac{2}{3} - 4\frac{5}{6} = 6\frac{4}{6} - 4\frac{5}{6} = 5\frac{10}{6} - 4\frac{5}{6} = 1\frac{5}{6}$

② $5\frac{4}{9} - 2\frac{11}{12} = 5\frac{16}{36} - 2\frac{33}{36} = 4\frac{52}{36} - 2\frac{33}{36} = 2\frac{19}{36}$

③ $5\frac{13}{15} - 2\frac{23}{30} = 5\frac{26}{30} - 2\frac{23}{30} = 3\frac{3}{10}$

④ $4\frac{11}{24} - \frac{17}{36} = 4\frac{33}{72} - \frac{34}{72} = 3\frac{105}{72} - \frac{34}{72} = 3\frac{71}{72}$

⑤ $5\frac{5}{7} - 2\frac{4}{5} = 5\frac{25}{35} - 2\frac{28}{35} = 4\frac{60}{35} - 2\frac{28}{35} = 2\frac{32}{35}$

4. 다음을 계산하시오.

$$6\frac{7}{15} - 5\frac{7}{9}$$

① $1\frac{11}{45}$

② $2\frac{19}{24}$

③ $\frac{31}{45}$

④ $\frac{34}{45}$

⑤ $1\frac{7}{15}$

해설

$$6\frac{7}{15} - 5\frac{7}{9} = 6\frac{21}{45} - 5\frac{35}{45} = 5\frac{66}{45} - 5\frac{35}{45} = \frac{31}{45}$$