

1. 다음 중 몫이 1 보다 큰 것은 어느 것입니까?

① $3.2 \div 4\frac{1}{5}$

② $8\frac{1}{2} \div 9.05$

③ $\frac{1}{5} \div 0.3$

④ $4\frac{2}{3} \div 4.68$

⑤ $1.05 \div 1\frac{1}{25}$

해설

몫이 1보다 크려면 나누어지는 수가 나누는 수보다 커야합니다.

① $3.2 < 4\frac{1}{5}$

② $8\frac{1}{2} < 9.05$

③ $\frac{1}{5} < 0.3$

④ $4\frac{2}{3}(=4.66\cdots) < 4.68$

⑤ $1.05 > 1\frac{1}{25}(=1.04)$

2. 다음을 계산하시오.

$$4\frac{1}{2} - (0.3 + 2.7) \times \frac{2}{3}$$

① $\frac{1}{2}$

② $1\frac{1}{2}$

③ $2\frac{1}{2}$

④ $3\frac{1}{2}$

⑤ $2\frac{1}{3}$

해설

$$\begin{aligned} & 4\frac{1}{2} - (0.3 + 2.7) \times \frac{2}{3} \\ &= 4\frac{1}{2} - 3 \times \frac{2}{3} = 4\frac{1}{2} - 2 = 2\frac{1}{2} \end{aligned}$$

3. ㉠ 과 ㉡ 의 차를 구하시오.

$$\textcircled{1} (4.2 + 1.8) \div 1\frac{3}{4} \quad \textcircled{2} 4.2 + 1.8 \div 1\frac{3}{4}$$

① $1\frac{1}{5}$

② $1\frac{2}{5}$

③ $1\frac{3}{5}$

④ $1\frac{4}{5}$

⑤ 2

해설

$$\textcircled{1} (4.2 + 1.8) \div 1\frac{3}{4} = 6 \div 1\frac{3}{4} = 6 \div \frac{7}{4}$$

$$= 6 \times \frac{4}{7} = \frac{24}{7} = 3\frac{3}{7}$$

$$\textcircled{2} 4.2 + 1.8 \div 1\frac{3}{4} = 4.2 + \frac{18}{10} \div \frac{7}{4}$$

$$= 4.2 + \frac{18}{10} \times \frac{4}{7} = 4\frac{1}{5} + 1\frac{1}{35} = 5\frac{8}{35}$$

$$\text{따라서 } 5\frac{8}{35} - 3\frac{3}{7} = 1\frac{28}{35} = 1\frac{4}{5}$$

4. 안에 알맞은 수를 구하시오.

$$4\frac{1}{6} \div \left(1\frac{9}{14} - \frac{1}{2}\right) \times \frac{9}{10} = \square \frac{9}{32}$$

① 1

② 2

③ 3

④ 4

⑤ 5

해설

$$\begin{aligned} & 4\frac{1}{6} \div \left(1\frac{9}{14} - \frac{1}{2}\right) \times \frac{9}{10} \\ &= \frac{25}{6} \div \left(1\frac{9}{14} - \frac{7}{14}\right) \times \frac{9}{10} \\ &= \frac{25}{6} \div 1\frac{1}{7} \times \frac{9}{10} = \frac{25}{6} \times \frac{7}{8} \times \frac{9}{10} \\ &= 3\frac{9}{32} \end{aligned}$$

따라서 안에 들어갈 수는 3입니다.