

1. 다음 중 계산 결과가 가장 작은 것은?

① $(+5) + (+6)$

② $(-5) + (-1)$

③ $(+2) + (+4)$

④ $(-3) + (-4)$

⑤ $(-7) + (-2)$

해설

① $(+5) + (+6) = +11$

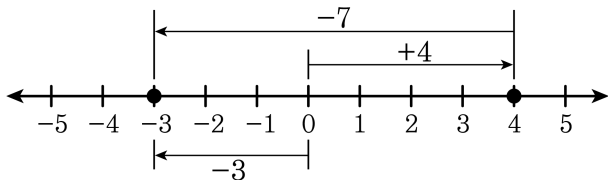
② $(-5) + (-1) = -6$

③ $(+2) + (+4) = +6$

④ $(-3) + (-4) = -7$

⑤ $(-7) + (-2) = -9$

2. 다음 수직선이 나타내는 정수의 덧셈식을 옳게 나타낸 것을 고르면?



① $(-3) + (+4) = +1$

② $(-3) + (+4) = -7$

③ $(+4) + (-7) = -3$

④ $(-7) + (+3) = -4$

⑤ $(-7) + (-3) = +4$

해설

오른쪽으로 4 칸: $+4$

왼쪽으로 7 칸: -7

$\therefore (+4) + (-7) = (-3)$

3. 안에 들어갈 부호를 차례로 나열한 것은?

$$\textcircled{\text{㉠}} (+2) + (+3) = +(2 \square 3)$$

$$\textcircled{\text{㉡}} (-4) + (-5) = \square (4 + 5)$$

$$\textcircled{\text{㉢}} (-5) + (+7) = \square (7 \square 5)$$

$$\textcircled{1} +, -, -, +$$

$$\textcircled{2} +, +, -, -$$

$$\textcircled{3} +, -, +, -$$

$$\textcircled{4} -, +, -, +$$

$$\textcircled{5} -, -, -, -$$

해설

$$\textcircled{\text{㉠}} (+2) + (+3) = +(2 + 3)$$

$$\textcircled{\text{㉡}} (-4) + (-5) = -(4 + 5)$$

$$\textcircled{\text{㉢}} (-5) + (+7) = +(7 - 5)$$

4. 다음 중 계산 결과가 다른 하나는?

① $-2 + (+4)$

② $(-1) + (-1)$

③ $-7 + 5$

④ $3 + (-5)$

⑤ $(-3) + (+1)$

해설

① $-2 + (+4) = +(4 - 2) = +2$

② $(-1) + (-1) = -(1 + 1) = -2$

③ $-7 + 5 = -(7 - 5) = -2$

④ $3 + (-5) = -(5 - 3) = -2$

⑤ $(-3) + (+1) = -(3 - 1) = -2$

5. 다음 중 계산 결과가 3인 것은?

① $(-3) + (-6)$

② $(-2) + (+5)$

③ $(-5) + (+2)$

④ $(+2) + (-1)$

⑤ $(+1) + (+4)$

해설

① -9

② $+3$

③ -3

④ $+1$

⑤ $+5$

6. 다음 중 바르게 계산한 것을 고르면?

① $(+7) + (+5) = +14$

② $(-5) + (+2) = -3$

③ $(+7) + (-7) = 1$

④ $0 + (-3) = 3$

⑤ $(-3) + (-5) = +8$

해설

① $(+7) + (+5) = +12$

③ $(+7) + (-7) = 0$

④ $0 + (-3) = -3$

⑤ $(-3) + (-5) = -8$

7. $(-1.7) + \left(-\frac{17}{20}\right) + \left(+\frac{11}{5}\right)$ 을 계산한 결과로 옳은 것은?

- ① -1.2 ② -1.5 ③ $-\frac{13}{10}$ ④ $-\frac{7}{20}$ ⑤ $-\frac{31}{15}$

해설

$$\begin{aligned} & (-1.7) + \left(-\frac{17}{20}\right) + \left(+\frac{11}{5}\right) \\ &= \left(-\frac{34}{20}\right) + \left(-\frac{17}{20}\right) + \left(+\frac{44}{20}\right) \\ &= -\frac{7}{20} \end{aligned}$$

8. 다음 중 틀리게 계산한 것은?

① $(+6) + (-9) = -3$

② $(-3) + (+8) = +5$

③ $(+4) + (-5) = -1$

④ $(-9) + (-5) = -4$

⑤ $(-1) + (+1) = 0$

해설

④ $(-9) + (-5) = -(9 + 5) = -14$

9. 다음 중 계산 결과의 절댓값이 가장 큰 것은?

① $(+2) + (-5)$

② $(-6) + (-1)$

③ $(+4) + (-7)$

④ $(+5) + (-6)$

⑤ $(-3) + (+3)$

해설

① $(+2) + (-5) = -3$

② $(-6) + (-1) = -7$

③ $(+4) + (-7) = -3$

④ $(+5) + (-6) = -1$

⑤ $(-3) + (+3) = 0$

10. 다음 중 계산 결과가 다른 것은?

① $(-7) + (-3)$

② $(-17) + (-7)$

③ $(-11) + (+1)$

④ $(+2) + (-12)$

⑤ $(+1) + (-11)$

해설

① $(-7) + (-3) = -10$

② $(-17) + (-7) = -24$

③ $(-11) + (+1) = -10$

④ $(+2) + (-12) = -10$

⑤ $(+1) + (-11) = -10$

11. $\left(+\frac{1}{2}\right) + \left(-\frac{2}{3}\right) + \left(+\frac{3}{4}\right) + \left(-\frac{4}{5}\right)$ 를 계산한 것은?

① $-\frac{5}{20}$

② $-\frac{13}{20}$

③ $-\frac{1}{30}$

④ $-\frac{7}{60}$

⑤ $-\frac{13}{60}$

해설

$$\frac{1}{2} - \frac{2}{3} + \frac{3}{4} - \frac{4}{5} = \frac{30 - 40 + 45 - 48}{60} = -\frac{13}{60}$$

12. 다음 중 계산 결과가 옳지 않은 것은?

$$\textcircled{1} \left(+\frac{3}{2}\right) + \left(+\frac{2}{3}\right) = +\frac{13}{6}$$

$$\textcircled{2} \left(+\frac{1}{4}\right) + \left(-\frac{5}{6}\right) = -\frac{7}{12}$$

$$\textcircled{3} \left(-\frac{2}{5}\right) + \left(-\frac{3}{4}\right) = -\frac{23}{20}$$

$$\textcircled{4} (-2.3) + (+1.1) = +1.2$$

$$\textcircled{5} (-0.9) + (+1.6) = +0.7$$

해설

$$\textcircled{1} \left(+\frac{3}{2}\right) + \left(+\frac{2}{3}\right) = \left(+\frac{3}{2} + \frac{2}{3}\right)$$

$$= +\frac{9+4}{6} = +\frac{13}{6}$$

$$\textcircled{2} \left(+\frac{1}{4}\right) + \left(-\frac{5}{6}\right) = \left(+\frac{3}{12}\right) + \left(-\frac{10}{12}\right)$$

$$= \left(\frac{3}{12} - \frac{10}{12}\right)$$

$$= -\frac{7}{12}$$

$$\textcircled{3} \left(-\frac{2}{5}\right) + \left(-\frac{3}{4}\right) = -\left(\frac{2}{5} + \frac{3}{4}\right)$$

$$= -\frac{8+15}{20} = -\frac{23}{20}$$

$$\textcircled{4} (-2.3) + (+1.1) = -1.2$$

13. 다음의 계산과정에서 사용된 덧셈의 계산법칙을 차례로 바르게 나열한 것은?

$$\begin{aligned} & \left(+\frac{7}{5}\right) + \left(-\frac{3}{2}\right) + \left(+\frac{3}{5}\right) \\ &= \left(+\frac{7}{5}\right) + \left(+\frac{3}{5}\right) + \left(-\frac{3}{2}\right) \\ &= \left\{\left(+\frac{7}{5}\right) + \left(+\frac{3}{5}\right)\right\} + \left(-\frac{3}{2}\right) \\ &= (+2) + \left(-\frac{3}{2}\right) \\ &= \left(+\frac{4}{2}\right) + \left(-\frac{3}{2}\right) \\ &= +\frac{1}{2} \end{aligned}$$

- ① 교환법칙, 분배법칙 ② 결합법칙, 분배법칙
③ 분배법칙, 교환법칙 ④ 결합법칙, 교환법칙
⑤ 교환법칙, 결합법칙

해설

$$\begin{aligned} & \left(+\frac{7}{5}\right) + \left(-\frac{3}{2}\right) + \left(+\frac{3}{5}\right) \\ &= \left(+\frac{7}{5}\right) + \left(+\frac{3}{5}\right) + \left(-\frac{3}{2}\right) : \text{교환법칙} \\ &= \left\{\left(+\frac{7}{5}\right) + \left(+\frac{3}{5}\right)\right\} + \left(-\frac{3}{2}\right) : \text{결합법칙} \end{aligned}$$

14. 세 수의 유리수의 덧셈으로 계산 결과가 옳은 것은?

$$\textcircled{1} (+2.3) + \left(+\frac{2}{3}\right) + \left(-\frac{16}{5}\right) = -\frac{3}{10}$$

$$\textcircled{2} (-1.1) + (+3.5) + \left(-\frac{7}{2}\right) = -5.9$$

$$\textcircled{3} (+2.4) + \left(-\frac{5}{3}\right) + (+1.1) = +\frac{11}{6}$$

$$\textcircled{4} (-1.8) + \left(-\frac{13}{10}\right) + \left(-\frac{1}{2}\right) = -1.8$$

$$\textcircled{5} \left(+\frac{3}{4}\right) + \left(-\frac{7}{5}\right) + \left(-\frac{3}{2}\right) = -2.1$$

해설

$$\textcircled{1} (+2.3) + \left(+\frac{2}{3}\right) + \left(-\frac{16}{5}\right) = -\frac{7}{30}$$

$$\textcircled{2} (-1.1) + (+3.5) + \left(-\frac{7}{2}\right) = -1.1$$

$$\textcircled{4} (-1.8) + \left(-\frac{13}{10}\right) + \left(-\frac{1}{2}\right) = -3.6$$

$$\textcircled{5} \left(+\frac{3}{4}\right) + \left(-\frac{7}{5}\right) + \left(-\frac{3}{2}\right) = -\frac{43}{20}$$

15. 세 수의 유리수의 덧셈으로 계산 결과가 옳지 않은 것은?

① $(+2.1) + \left(+\frac{3}{7}\right) + \left(-\frac{16}{5}\right) = -\frac{7}{10}$

② $\left(-\frac{1}{3}\right) + (+1.2) + \left(-\frac{1}{2}\right) = +\frac{11}{30}$

③ $(-1.9) + (+3.5) + \left(-\frac{7}{2}\right) = -1.9$

④ $(-1.8) + \left(-\frac{13}{10}\right) + (-0.8) = -3.9$

⑤ $\left(+\frac{1}{4}\right) + \left(-\frac{1}{5}\right) + \left(-\frac{1}{2}\right) = -\frac{9}{20}$

해설

① $(+2.1) + \left(+\frac{3}{7}\right) + \left(-\frac{16}{5}\right) = -\frac{47}{70}$