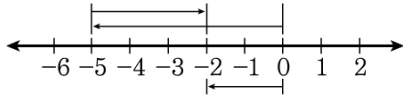


단원 종합 평가

1. 5°C 인 겨울날에 갑자기 날씨가 추워져서 -2°C 가 되었다. 기온이 몇 $^{\circ}\text{C}$ 내려갔는지 구하시오.



- ① $(-5) + (+2) = -3$ ② $(+5) + (-3) = +2$
 ③ $(-5) + (+3) = -2$ ④ $(-2) + (-3) = -5$
 ⑤ $(-5) - (+3) = -2$

2. 3°C 인 겨울날에 갑자기 날씨가 추워져서 -2°C 가 되었다. 기온이 몇 $^{\circ}\text{C}$ 내려갔는지 구하시오.

3°C

$\ominus -\frac{1}{3}$

$\oplus +\frac{6}{2}$

$\ominus 0$

$\ominus -1$

$\oplus +2.7$

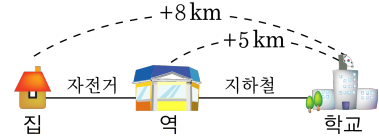
$\ominus -4\frac{1}{2}$

$\otimes \frac{5}{3}$

$\odot -0.01$

- ① 기온이 3°C 내려갔다.
 ② 기온이 8°C 내려갔다.
 ③ 기온이 3°C 올랐다.
 ④ 기온이 5°C 내려갔다.
 ⑤ 기온이 5°C 올랐다.

3. -5°C 인 겨울날에 갑자기 날씨가 추워져서 -8°C 가 되었다. 기온이 몇 $^{\circ}\text{C}$ 내려갔는지 구하시오.



- ① 1 km ② 2 km ③ 3 km
 ④ 4 km ⑤ 5 km

4. -3°C 인 겨울날에 갑자기 날씨가 추워져서 -6°C 가 되었다. 기온이 몇 $^{\circ}\text{C}$ 내려갔는지 구하시오.

- ① 3 ② 0 ③ $\frac{3}{2}$ ④ $\frac{2}{3}$ ⑤ 4

5. 5°C 인 겨울날에 갑자기 날씨가 추워져서 -3°C 가 되었다. 기온이 몇 $^{\circ}\text{C}$ 내려갔는지 구하시오.

$$-\frac{1}{3} \quad \boxed{} \quad -\frac{1}{4}$$

6. 5°C 인 겨울날에 갑자기 날씨가 추워져서 -3°C 가 되었다. 기온이 몇 $^{\circ}\text{C}$ 내려갔는지 구하시오.

$$\begin{aligned} & -6^2 + \{3^2 - (+3) \times 6\} \div 3 \\ & = -36 + \{9 - 9 \times 6\} \div 3 \\ & = -36 + \{9 - 54\} \div 3 \\ & = -36 + (-45) \div 3 \\ & = -36 - 15 \\ & = -51 \end{aligned}$$

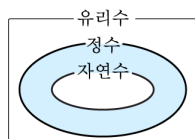
7. $\ddot{\text{e}}\text{ m}\grave{\text{i}}\ \grave{\text{i}}\text{ m}\ \hat{\text{e}}^3\grave{\text{i}}\text{'}\grave{\text{i}}^3\text{§}\ \grave{\text{i}}\grave{\text{i}}\ \hat{\text{e}}^2\grave{\text{i}}\text{?}$

- ① $(+8) + (-13) = -5$
- ② $(-16) - (-7) = -9$
- ③ $(-14) + (+20) = +6$
- ④ $(-2) \times (-7) = +14$
- ⑤ $(+39) \div (-3) = +13$

8. ' a $\ddot{\text{e}}\ -5\ \ddot{\text{e}}^3\grave{\text{e}}\text{ m}\ \grave{\text{i}}\ \text{§}\ \grave{\text{i}}\ \hat{\text{e}}^3\ 4\ \ddot{\text{e}}^3\grave{\text{e}}\text{ m}\ \grave{\text{i}}\ \hat{\text{e}}^{\pm}\ddot{\text{e}}\ \hat{\text{e}}^{\circ}\ddot{\text{e}}\text{ m}.\ddot{\text{e}}\text{¥}\frac{1}{4}\ddot{\text{e}}\text{¶}\ddot{\text{e}}\pm\acute{\text{i}}\text{,}\ddot{\text{e}}\text{¥}\frac{1}{4}\grave{\text{i}}\neg\grave{\text{i}}\text{¶}\acute{\text{i}}\neg\ddot{\text{e}}\acute{\text{i}}\ddot{\text{e}}\text{,}\hat{\text{e}}^2\grave{\text{i}}\text{?}$

- ① $-5 < a \leq 4$
- ② $-5 < a < 4$
- ③ $-5 \leq a < 4$
- ④ $-5 \leq a \leq 4$
- ⑤ $a \geq -5\ \ddot{\text{e}}\ \ddot{\text{e}}\ a \leq 4$

9. $\ddot{\text{e}}\text{ m}\grave{\text{i}}\ \grave{\text{i}}\text{ m}\ \grave{\text{i}}\ \ddot{\text{e}}^2\text{m}\ddot{\text{e}}\text{ m}\grave{\text{i}}\ \grave{\text{i}}\ \acute{\text{e}}\text{,}\ddot{\text{e}}\text{``}\grave{\text{i}}\ \grave{\text{i}}\ \grave{\text{i}}\ \acute{\text{i}}\ \ddot{\text{e}}\text{¶}\ddot{\text{e}}\text{¶}\grave{\text{i}}\ \grave{\text{i}}\ \acute{\text{i}}\ \ddot{\text{e}}\ \grave{\text{i}}\ \ddot{\text{e}}\text{¥}\frac{1}{4}\ddot{\text{e}}^{\text{a}}\text{``}\ddot{\text{e}}\ \hat{\text{e}}^3\ \ddot{\text{e}}\text{¥}\grave{\text{e}}\text{¶}\text{'?}$



- ① $+5$
- ② $-\frac{2}{3}$
- ③ 0
- ④ $+\frac{4}{9}$
- ⑤ -4

10. $a\ \hat{\text{e}}^{\circ}\ -2\grave{\text{i}}\ \grave{\text{i}}\neg\grave{\text{i}}\ \frac{1}{4}\ddot{\text{e}}\text{,}\ddot{\text{e}}\text{ m}\grave{\text{i}}\ \grave{\text{i}}\text{ m}\ \hat{\text{e}}^{\circ}\grave{\text{i}}\text{¥}\grave{\text{i}}\ \grave{\text{i}}\ \ddot{\text{e}}\text{?}$

- ① $-a$
- ② a
- ③ a^3
- ④ $-\frac{1}{a}$
- ⑤ $-\frac{1}{a^2}$

11. $\ddot{\text{e}}\text{ m}\grave{\text{i}}\ \hat{\text{e}}^3\grave{\text{i}}^{\circ}\ \hat{\text{e}}^3\grave{\text{i}}\grave{\text{i}}\ \grave{\text{i}}\ \grave{\text{i}}\ \acute{\text{i}}\text{¶}\text{¶}\ddot{\text{e}}\ \ddot{\text{e}}^2\grave{\text{i}}\grave{\text{i}}\ \grave{\text{i}}^{\circ}\text{``}\ddot{\text{e}}\grave{\text{i}}\ \ddot{\text{e}}\text{§}\acute{\text{i}}\ \ddot{\text{e}}\text{¶}\text{'?}$

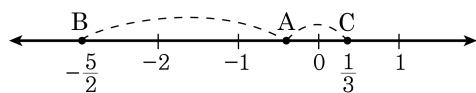
$$\begin{aligned} & (-20) \times (\frac{1}{2} - \frac{1}{5}) - (-10) \\ & = (-20) \times (\frac{1}{2}) + (-20) \times (-\frac{1}{5}) - (-10) \quad \leftarrow (1) \\ & = (-10) + (+4) - (-10) \quad \leftarrow (2) \\ & = (+4) + (-10) + (+10) \quad \leftarrow (3) \\ & = (+4) + 0 \\ & = 4 \end{aligned}$$

- ① $\hat{\text{e}}^2\text{'}\text{¶}\text{¶}\ddot{\text{e}}^2\grave{\text{i}}^1\text{,}\ddot{\text{e}}\text{¶}\ddot{\text{e}}^{\circ}\ddot{\text{e}}^2\grave{\text{i}}^1\text{,}\hat{\text{e}}\text{¶}\acute{\text{i}}\ \ddot{\text{e}}^2\grave{\text{i}}^1$
- ② $\ddot{\text{e}}\text{¶}\ddot{\text{e}}^{\circ}\ddot{\text{e}}^2\grave{\text{i}}^1\text{,}\hat{\text{e}}^2\text{'}\text{¶}\text{¶}\ddot{\text{e}}^2\grave{\text{i}}^1\text{,}\hat{\text{e}}\text{¶}\acute{\text{i}}\ \ddot{\text{e}}^2\grave{\text{i}}^1$
- ③ $\hat{\text{e}}\text{¶}\acute{\text{i}}\ \ddot{\text{e}}^2\grave{\text{i}}^1\text{,}\ddot{\text{e}}\text{¶}\ddot{\text{e}}^{\circ}\ddot{\text{e}}^2\grave{\text{i}}^1\text{,}\hat{\text{e}}^2\text{'}\text{¶}\text{¶}\ddot{\text{e}}^2\grave{\text{i}}^1$
- ④ $\ddot{\text{e}}\text{¶}\ddot{\text{e}}^{\circ}\ddot{\text{e}}^2\grave{\text{i}}^1\text{,}\hat{\text{e}}\text{¶}\acute{\text{i}}\ \ddot{\text{e}}^2\grave{\text{i}}^1\text{,}\hat{\text{e}}^2\text{'}\text{¶}\text{¶}\ddot{\text{e}}^2\grave{\text{i}}^1$
- ⑤ $\hat{\text{e}}\text{¶}\acute{\text{i}}\ \ddot{\text{e}}^2\grave{\text{i}}^1\text{,}\hat{\text{e}}^2\text{'}\text{¶}\text{¶}\ddot{\text{e}}^2\grave{\text{i}}^1\text{,}\ddot{\text{e}}\text{¶}\ddot{\text{e}}^{\circ}\ddot{\text{e}}^2\grave{\text{i}}^1$

12. $a\ \grave{\text{i}}\ \grave{\text{i}}\ \ddot{\text{e}}\ \hat{\text{e}}^{\circ}\grave{\text{i}}\ 4\grave{\text{i}}\ \acute{\text{e}}^3\ b\ \grave{\text{i}}\ \grave{\text{i}}\ \ddot{\text{e}}\ \hat{\text{e}}^{\circ}\grave{\text{i}}\ 8\grave{\text{i}}\frac{1}{4}\ddot{\text{e}}\text{,}\ a-b\ \hat{\text{e}}^{\circ}\ddot{\text{e}}\ \grave{\text{i}}\ \grave{\text{i}}\ \ddot{\text{e}}\ \hat{\text{e}}^{\circ}\grave{\text{i}}\text{ m}\ \hat{\text{e}}^{\circ}\grave{\text{i}}\text{¥}\acute{\text{i}}^{\circ}\hat{\text{e}}^{\circ}\grave{\text{i}}\ \hat{\text{e}}\text{¶}\neg\acute{\text{i}}\ \grave{\text{i}}\neg\ddot{\text{e}}\frac{1}{4}\text{.}$

13. $-4a + 3$ is the opposite of $15\frac{1}{4}$, a is the opposite of the opposite of $\frac{1}{4}$.

14. The number line below shows the positions of points A, B, and C. The origin is at 0. The distance between A and B is 3 units. The distance between B and C is 1 unit. The distance between A and C is 4 units.



15. $A = 3^2 - \left(-\frac{1}{2}\right)^3 \times 16 + (-5^2)$, $B = -5 - 6^2 \div \frac{12}{7} \div 21 - (-5)$ is $\frac{1}{4}$, $A + B$ is the opposite of $\frac{1}{4}$.

16. $5.37 \times 46 + 5.37 \times 54$ is $5\frac{3}{4}$ times the opposite of $\frac{1}{4}$.

17. The opposite of the opposite of the opposite of $\frac{1}{4}$ is the opposite of $\frac{1}{4}$?

- ① $\left(+\frac{1}{3}\right) - \left(+\frac{5}{12}\right) = -\frac{7}{12}$
- ② $\left(-\frac{2}{5}\right) - \left(+\frac{2}{15}\right) + \left(-\frac{2}{3}\right) = +\frac{8}{15}$
- ③ $\left(-\frac{9}{10}\right) - \left(-\frac{5}{2}\right) + \frac{3}{5} = -\frac{7}{10}$
- ④ $\left(+\frac{1}{7}\right) - \left(+\frac{3}{14}\right) + \left(+\frac{1}{14}\right) = 0$
- ⑤ $\left(-\frac{5}{12}\right) - \left(-\frac{10}{3}\right) + \frac{1}{2} = -\frac{5}{12}$

18. The opposite of the opposite of the opposite of the opposite of the opposite of $\frac{1}{4}$ is the opposite of $\frac{1}{4}$.

$-0.1, \frac{3}{10}, -5, -\frac{2}{5}, \frac{9}{3}, 6, 2\frac{1}{4}, 0, \frac{32}{16}, -0.024$

19. The opposite of the opposite of the opposite of the opposite of the opposite of $\frac{1}{4}$ is the opposite of $\frac{1}{4}$. The opposite of the opposite of the opposite of the opposite of the opposite of $\frac{1}{4}$ is the opposite of $\frac{1}{4}$. The opposite of the opposite of the opposite of the opposite of the opposite of $\frac{1}{4}$ is the opposite of $\frac{1}{4}$.

$-\frac{10}{3}, +2.5, +3, \frac{3}{5}, -1.2, 0$

- ① $-\frac{10}{3}$
- ② 3
- ③ $\frac{19}{3}$
- ④ 4.2
- ⑤ $-\frac{41}{15}$

20. $\frac{1}{2} + \left\{-1 - \left(\frac{3}{4} - \frac{6}{7}\right)\right\}$ is the opposite of the opposite of the opposite of $\frac{1}{4}$.

21. a ከ b ልዩነት ምን ይሆናል?

- ① a ከ b ልዩነት $\frac{1}{4}$ ነው፣ a ከ b ልዩነት a ነው።
- ② $a < b$ ከ a ልዩነት a ከ b ልዩነት a ነው።
- ③ $a < b < 0$ ከ a ልዩነት a ከ b ልዩነት a ነው።
- ④ a ከ b ልዩነት a ከ b ልዩነት a ነው።
- ⑤ a ከ b ልዩነት a ከ b ልዩነት a ነው።

22. a ከ b ልዩነት ምን ይሆናል?

- ① $2.25 - 5.5 + \frac{1}{4} = -3$
- ② $2.3 + \frac{7}{10} - \frac{1}{5} = 2.8$
- ③ $7.5 - \frac{3}{5} + 2.2 = 9.1$
- ④ $-\frac{5}{2} - \frac{5}{6} + \frac{4}{3} = -2$
- ⑤ $-\frac{1}{3} + 6 + \frac{4}{3} = 7.2$

23. a ከ b ልዩነት ምን ይሆናል?

	-3	2
a		3
		-2

- ① -1 ② -3 ③ 5 ④ 4 ⑤ 2

24. a ከ b ልዩነት ምን ይሆናል?

	ዘንጋ	ህግ	ክፍል	ገንዘብ
1ኛ	+4	①	+7	-5
2ኛ	②	+2	-4	③
3ኛ	-3	+3	-2	+2
አጠቃላይ	+5	-1	+1	④

25. a ከ b ልዩነት ምን ይሆናል?

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