

## CHAPTER-10 | The Other Side of Zero

QUIZ  
PART-25

1. Which integer lies between -5 and 4?

- A. -6  
B. 5  
C. -2  
D. 4 (C)

**Explanation:** The integers between -5 and 4 are -4, -3, -2, -1, 0, 1, 2, 3.

2. Which number is to the left of 0 on the number line?

- A. 2  
B. 4  
C. -1  
D. 3 (C)

**Explanation:** Negative numbers lie to the left of 0 on the number line. The PDF includes numbers like -3, 0, 2, -1, 4 for number-line representation.

3. What is the opposite of +8?

- A. +8  
B. -8  
C. 0  
D. +11 (B)

**Explanation:** The opposite of a positive number is the same number with a negative sign.

4. Which is the correct ascending order of -3, 0, -5, 2, -1?

- A. -5, -3, -1, 0, 2  
B. -3, -5, -1, 0, 2  
C. 2, 0, -1, -3, -5  
D. -5, -1, -3, 0, 2 (A)

**Explanation:** -In ascending order, we write from smallest to greatest: -5, -3, -1, 0, 2.

5. What is  $-7 + 5$ ?

- A. -12  
B. -2  
C. 2  
D. 12 (B)

**Explanation:** Add a positive and a negative by subtracting their absolute values and keeping the sign of the greater absolute value:  $7 - 5 = 2$ , so the answer is -2.

6. What is  $-3 + (-6)$ ?

- A. -9  
B. 9  
C. -3  
D. 3 (A)

**Explanation:** When adding two negative integers, add their values and keep the negative sign:  $3 + 6 = 9$ , so the result is -9.

7. What is  $4 - (-3)$ ?

- A. 1  
B. -1  
C. 7  
D. -7 (C)

**Explanation:** Subtracting a negative is the same as adding the positive:  $4 + 3 = 7$ .

8. What number should fill the blank:  $-3 + \underline{\quad} = 0$ ?

- A. -3  
B. 0  
C. 3  
D. -6 (C)

**Explanation:** A number and its opposite add to 0, so -3 needs +3.

9. A submarine is at -200 m and rises 120 m. What is its new position?

- A. -320 m  
B. -80 m  
C. 80 m  
D. 200 m (B)

**Explanation:** Rising 120 m means adding 120 to -200:  $-200 + 120 = -80$ .

10. The temperature was  $-4^{\circ}\text{C}$  and increased by  $7^{\circ}\text{C}$ .

What is it now?

- A.  $-11^{\circ}\text{C}$   
B.  $-3^{\circ}\text{C}$   
C.  $3^{\circ}\text{C}$   
D.  $11^{\circ}\text{C}$  (C)

**Explanation:** Increasing  $-4^{\circ}\text{C}$  by  $7^{\circ}\text{C}$  gives  $-4 + 7 = 3^{\circ}\text{C}$ .