

## CHAPTER-10 | The Other Side of Zero

QUIZ  
PART-07

1. What does the mineshaft model represent?

- A. Drawing shapes
- B. Movement up and down
- C. Measuring angles
- D. Counting sides (B)

**Explanation:** It shows movement up and down, helping understand positive and negative numbers.

2. Students are asked to

- A. draw triangles
- B. complete expressions
- C. find symmetry
- D. measure lines (B)

**Explanation:** The task is to complete given number expressions.

3.  $(+40) + \underline{\quad} = +200$

- A. +160
- B. -160
- C. +240
- D. -240 (A)

**Explanation:**  $+40 + 160 = +200$ .

4.  $(+40) + \underline{\quad} = -200$

- A. +160
- B. -160
- C. -240
- D. +240 (C)

**Explanation:**  $+40 + (-240) = -200$ .

5.  $(-50) + \underline{\quad} = +200$

- A. +150
- B. +250
- C. -250
- D. -150 (B)

**Explanation:**  $-50 + 250 = +200$ .

6.  $(-50) + \underline{\quad} = -200$

- A. -150
- B. +150
- C. -250
- D. +250 (A)

**Explanation:**  $-50 + (-150) = -200$ .

7.  $(-200) - (-40)$  equals

- A. -240
- B. -160
- C. +160
- D. +240 (B)

**Explanation:** Subtracting a negative means adding:  $-200 + 40 = -160$ .

8.  $(+200) - (+40)$  equals

- A. +160
- B. -160
- C. +240
- D. -240 (A)

**Explanation:**  $200 - 40 = +160$ .

9.  $(-200) - (+40)$  equals

- A. -160
- B. -240
- C. +240
- D. +160 (B)

**Explanation:**  $-200 - 40 = -240$ .

10. Answers can be checked by thinking about movement in the

- A. classroom
- B. playground
- C. mineshaft
- D. road (C)

**Explanation:** Movement in the mineshaft helps visualize integer operations.