CHAPTER-10 | The Other Side of Zero

QUIZ PART-19

1. How many rows are there in the first amazing grid?
   A. 3
   B. 4
   C. 5
   D. 6 (B)

Explanation : The first grid has 4 horizontal rows of numbers.

2. After choosing a number, what must be struck out?
   A. Only its row
   B. Only its column
   C. Its row and column
   D. Nothing (C)

Explanation: The rule says to strike out both the row and the column of the chosen number.

3. After striking out a row and column, the next number must be chosen from
   A. any number again
   B. only the same row
   C. only the same column
   D. an unstruck number (D)

Explanation: The instruction says to circle any unstruck number.

4. Which of these numbers appears in the first row of the first grid?
   A. -6 B. 0
   C. -10 D. -2 (B)

Explanation: The first row is 3, 4, 0, 9.

5. What is the sum of the main diagonal in the first grid?
   A. -1 B. 0
   C. 1 D. 2 (A)

Explanation : The diagonal numbers are 3, -1, -2, -1. Their sum is 3 + (-1) + (-2) + (-1) = -1.

6. The first amazing grid contains
   A. only positive integers
   B. only negative integers
   C. both positive and negative integers
   D. only even integers (C)

Explanation : The grid has positive numbers like 3 and 9, negative numbers like -2 and -10, and also 0.

7. What is special about these grids?
   A. The chosen sum can stay the same in different tries
   B. Only corner numbers can be chosen
   C. Only positive sums are possible
   D. Every row is identical (A)

Explanation : These are special grids where different valid choices can still give the same total sum.

8. Which number is the smallest in the first grid?
   A. -10 B. -7
   C. -6 D. -5 (A)

Explanation : Among all the numbers shown in the first grid, -10 is the least.

9. In the first grid, how many numbers can finally be circled in one complete play?
   A. 2 B. 3
   C. 4 D. 5 (C)

Explanation : Since the grid is 4 × 4 and each choice removes one row and one column, exactly 4 numbers can be chosen.

10. What does the last question mainly ask students to do?
    A. Memorise the grid
    B. Make more such grids
    C. Remove negative numbers
    D. Change integers into fractions (B)

Explanation : The final question asks whether students can make more such special grids.