

DELHI PUBLIC SCHOOL JAMMU

Session 2025-26

Assignment - 1

Class: VII

Subject: Maths

Topic: Integers

Choose the correct option:

Q1: Consider an incomplete statement: 'The sum of a _____ and a _____ is a whole number.' Which words when filled in the blanks make the statement correct?

- a. positive integer, negative integer
- b. positive integer, whole number
- c. negative integer, negative integer
- d. negative integer, whole number

Q2: The numbers below are to be arranged on a number line. **0, 5, -18, 20, -30, -12, 2**. Which option lists the numbers in the order they should be arranged from left to right on a number line?

- a. -30, -18, -12, 0, 2, 5, 20
- b. 0, -12, -18, -30, 2, 5, 20
- c. 0, 2, 5, -12, -18, 20, -30
- d. 0, -30, -18, -12, 2, 5, 20

Q3: Consider the mathematical expressions, X and Y. $X: -22 + (-14 + 38)$ and $Y: [-22 + (-14)] + 38$ Which of the following statements is true regarding the expressions above?

- a. $X < Y$
- b. $X > Y$
- c. $X = Y$
- d. $X = -Y$

Q4: Which is the correct division statement for: $-a \times 0 = 0$

- a. $0 \div -a = 0$
- b. $-a \div 0 = 0$
- c. $0 \div 0 = -a$
- d. $0 \div a = a$

Q5: A travel app launched an online quiz consisting of 50 questions. The information below describes how the points will be awarded to participants.

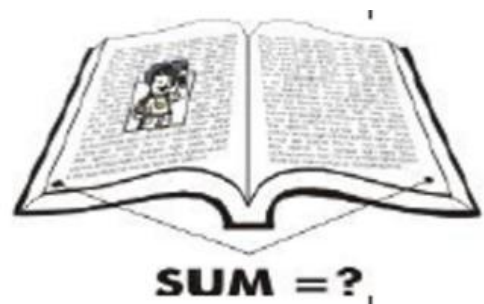
- 2 points for each question answered correctly
- -1 for each question answered incorrectly
- 0 points for each question that is not answered.
- 5 additional points for answering more than 40 questions correctly

What would be the score of a participant who attempted all questions but answered 45 questions correctly?

- a. 50
- b. 85
- c. 90
- d. 100

Q6: A book is lying open. Which of the following could be the sum of the page numbers of the two facing pages?

- a. 100
- b. 101
- c. 102
- d. Any of these



Q7: Look at this number pattern:

$$\begin{aligned}99 \times 99 &= 9801 \\999 \times 999 &= 998001 \\9999 \times 9999 &= 99980001 \\99999 \times 99999 &= 9999800001\end{aligned}$$

According to this pattern, what should be the answer to $99,99,999 \times 99,99,999$?

- a. 9,99,99,98,00,001
- b. 9,99,99,98,00,00,001
- c. 9,99,99,98,88,88,801
- d. 9,99,99,99,80,00,00,000

Q8: In a Sudoku Puzzle, a grid has to be filled with digits in such a manner that every row, every column and every 3 x 3 box contains **each digit** from 1 to 9, without repeating any. The question is based on Sudoku Puzzle. Shown below are two sudoku grids - one filled (Grid 1) and one partly filled (Grid 2). What number should come in the shaded box in Grid 2?

8	9	4	2	1	3	5	6	7
1	2	3	6	7	5	8	9	4
7	5	6	9	4	8	2	3	1
9	4	5	8	2	1	6	7	3
6	7	8	5	3	4	1	2	9
3	1	2	7	6	9	4	9	5
4	3	9	1	8	2	7	5	6
5	8	7	4	9	6	3	1	2
2	6	1	3	5	7	9	4	8

Grid 1

3						1		7
						6	9	4
		8						
		6						3
						2		
7	4	9						
		5						2
		?		3		5	1	

Grid 2

a. 1

b. 7

c. 8

d. 2