

DELHI PUBLIC SCHOOL, GAYA

WORKSHEET-1

Subject : Mathematics

Class : VII

1. Choose the correct option :

- (i) Sum of two negative number is always
(a) Positive (b) Negative (c) 0 (d) 1
- (ii) What will be the additive inverse of -5 ?
(a) -6 (b) -4 (c) 3 (d) 5
- (iii) The pair of integers whose sum is -5 .
(a) $1, -4$ (b) $-6, 1$ (c) $3, -2$ (d) $5, 0$
- (iv) The reciprocal of 0 is
(a) 1 (b) -1 (c) 0 (d) not defined
- (v) Choose appropriate number for the blank $-7 - (\underline{\quad}) = 2$
(a) 5 (b) -5 (c) 9 (d) -9

2. Fill in the blanks :

- (i) Integer which is neither positive nor negative is _____.
- (ii) Predecessor of (-99) is _____.
- (iii) $|-26 - 14| =$ _____.
- (iv) Largest 3-digit negative integer is _____.
- (v) Successor of (-100) is _____.

3. Short questions :

- (i) Simplify $(-50) + (-200) - (-500)$
- (ii) Profit of 25000 is written as.
- (iii) Find the value of $(-20) \times (-35) \times 10$
- (iv) If $a = -9$ and $b = -6$, Show that $(a - b) \neq (b - a)$

4. Long question :

- (i) If $a = -35, b = 10$ and $c = -5$
 - (a) $a + (b + c) = (a + b) + c$
 - (b) $a \times (b + c) = a \times b + a \times c$
- (ii) Find the sum of the number -28 and 38 and subtract it from the sum of the number 50 and -11 .
- (iii) Find $36 - (-64)$ and $(-64) - 36$. Are they equal ?
- (iv) Write a pair of Integers whose sum gives
 - (a) Zero
 - (b) a negative integer
 - (c) An integer smaller than both integer
 - (d) An Integer greater than both of the Integer