

**DELHI PUBLIC SCHOOL, GAYA**  
**WORKSHEET-1**

**Subject : Mathematics**

**Class : VIII**

---

**Choose the correct option :**

1.  $(-1) + (-1) + (-1) + \dots + 500 \text{ times} =$   
(a) 500      (b) 1      (c) -1      (d) -500
2. The additive inverse of  $(-7)$  is...  
(a) -7      (b)  $1/7$       (c) 7      (d)  $1/7$
3. The modulus of an integer  $x$  is 9, then  
(a)  $x = 9$  only      (b)  $x = -9$  only      (c)  $x = \pm 9$       (d) None of these
4. The sum of two integers is 24. If one of them is -19, then the other is...  
(a) 43      (b) -43      (c) 5      (d) -5
5. What must be subtracted from -6 to obtain -14?  
(a) 8      (b) 20      (c) -20      (d) -8

**Fill in the blanks :**

6. On subtracting -14 from -18, we get \_\_\_\_\_.
7.  $(-35) \times 2 + (-35) \times 8 =$  \_\_\_\_\_.
8. If  $x \div 29 = 0$ , then  $x =$  \_\_\_\_\_.
9.  $||3-12|-4| =$  \_\_\_\_\_.
10. If the difference of an integer  $a$  and  $(-9)$  is 5, then  $a =$  \_\_\_\_\_.

**Short Questions :**

11. What will be the sign of the product if we multiply together  
(a) 8 negative integers and 1 positive integers?  
(b) 199 negative integers and 10 positive integers?
12. Verify the following:  
19  $\{7+(-3)\} = 19 \times 7 + 19 \times (-3)$   
20  $\{(-12) \times (-13)\} \times 5 = (-12) \times \{(-13) \times 5\}$
13. Determine the integers whose product with '-1' are  
(a) 58      (b) 0      (c) -225      (d) -1

14. Divide: - (a) 17654 by -17654 (b) 88 by (-11)  
15. (a)  $16+8\div 4-2\times 3$  (b)  $23-[23-\{23-(23-23)\}]$

**Long Questions :**

16. (a) Write a positive integer and a negative integer whose sum is -4.  
(b) Write a positive and a negative integer whose difference is -2.
17. What is the opposite of:  
(a) 14 cm above the ground  
(b) Going West  
(c) Withdrawing money  
(d) Losing weight of 5kgs
18. Find the product using suitable properties:  $21 \times (-13+12)$
19. In an Examination, (+2) marks are given for every correct answer and (-0.5) marks is given for every wrong answer and 0 for non-attempting any question.  
(a) Latika scores 30 marks. If she got 20 correct answers, how many questions she attempted incorrectly?  
(b) Sara scores -4 marks if she got 3 correct answers, how many were incorrect?
20. Verify  $a-(-b) = a + b$  for the following values of a and b.  
(a)  $a=25, b=12$   
(b)  $a=113, b=16$

-----X-----