

**WORKSHEET  
CLASS :VII  
MATHEMATICS**

**Chap. 1 : INTEGERS      MODULE -1/2**

---

**FILL IN THE BLANKS**

1. \_\_\_\_\_ is the additive identity and \_\_\_\_\_ is the multiplicative identity of integers.
2.  $(-1) \times$  even number of times = \_\_\_\_\_
3.  $(-1) \times$  odd number of times = \_\_\_\_\_
4.  $38 \div 0 =$  \_\_\_\_\_
5.  $0 \div 11 =$  \_\_\_\_\_
6.  $13 \div 1 +$  \_\_\_\_\_
7.  $55 +$  \_\_\_\_\_ = 0
8.  $(-31) +$  \_\_\_\_\_ = 0
9.  $(-55) +$  \_\_\_\_\_ = -89
10.  $(-33) +$  \_\_\_\_\_ = 79
11.  $1000 +$  \_\_\_\_\_ = - 1000
12.  $[ (-7) + 9 ] + ( \quad ) = 9 + [ -7 + 4 ]$
13.  $(-6) + 2 = 2 ( \quad )$
14.  $251 \div$  \_\_\_\_\_ = 1
15.  $(-70) \div$  \_\_\_\_\_ = 5

16. \_\_\_\_\_  $\div$  993 = 0
17. \_\_\_\_\_  $\div$  2395 = 1
18. (-3589)  $\div$  \_\_\_\_\_ = -1
19. 22  $\div$  \_\_\_\_\_ = -11
20. (-1)  $\times$  (-1)  $\times$  (-1)  $\times$  (-1)  $\times$  (-1) = \_\_\_\_\_

**I ANSWER THE FOLLOWING :**

1. A man travelled 30 km east of a place A and reached B. From B he travelled 60 km west of B and reached C. Find the distance of C from A.
2. A man has Rs. 20,000 in his account in a bank. He withdraws Rs. 3000 per month for the first two months and deposits double of this amount on third month. What will be the balance in his account after 3 months?
3. Verify  $a - (-b) = a + b$  for the following values of a and b. i)  $a = -17$                        $b = +15$       ii)  $a = 50$                        $b = 21$
4. Use  $>$ ,  $<$  OR  $=$  symbols in the blank space in each of the following
- a.  $(-3) - (-5)$    $(-4) + (-9)$
- b.  $71 - 2 - 31$    $71 - 2 + 31$
- c.  $39 + (-35) - (58)$    $37 + (-11) - (+26)$
- d.  $23 + (-8) - 7$    $9 - 13 + 12$
5. The temperature at a place rises from  $-20^{\circ}\text{C}$  to  $20^{\circ}\text{C}$ . What is the rise in temperature ?
6. A place P is 82 m above the Sea level and another place is 13 m below the Sea level. What is the distance between the two places?

7. Write down a pair of integers whose
- i) sum is - 6                      ii) difference -8
  - iii) difference 3                      iv) sum 0
8. Write a negative integer and a positive integer whose
- a) sum -9                      b) difference -4                      c) sum 0
9. Find the value of each of the following products
- i)  $(-3) \times 15$                       ii)  $4 \times (-13)$                       iii)  $(-23) \times (-31)$
  - iv)  $(-3) \times (-2) \times 7$                       v)  $2 \times (-3) \times (-1) \times (-5)$
  - vi)  $(-259) \times (-51) \times 0$                       vii)  $(-8) \times 2 \times (-3) \times 5 \times (-1)$
  - viii)  $(-2) \times (-4) \times 0 \times (-6) \times (-8)$                       ix)  $(-5) \times (-3) \times (-4) \times (-6) \times (-7)$
10. Verify the following
- i)  $(-25) \times [(-7) + (-15)] = [(-25) \times (-7)] + [(-25) \times (-15)]$
  - ii)  $(-7) \times [(-8) + 9] = [-7 \times (-8)] + [(-7) \times 9]$
11. What will be the sign of the product  $a \times b$  if
- i)  $a$  is the product of 5 positive integers and  $b$  is the product of 9 negative integers.
  - ii)  $a$  is the product of 6 positive integers and  $b$  is the product of 8 negative integers.
  - iii)  $a$  is positive and  $b$  is the product of 50 negative integers.
12. Find the value of  $a$  if product of  $a$  with -
- 1 is i) 200                      ii) 0                      iii) -300

13. Find the product using suitable

proportion :- a.  $8759 \times 2391 - 2391 \times$

$7759$

b.  $(-9785) \times 937 + (-215) \times 937$

c.  $35 \times (-25) \times (-4) \times 10$

14. Find the value of each of the following

i)  $39 \div (-13)$       ii)  $(-729) \div 9$       iii)  $(-144) \div (-12)$

iv)  $(-20000) \div (-200)$       v)  $20513 \div (-1)$

v)  $(-49) \div [(-48) + (-1)]$       vii)  $[84 \div (-12)] \div 7$

viii)  $[(-10) + 5] \div [20 + (-15)]$

15. In a test (+5) marks are given for every correct answer and (-2) marks are given for every incorrect answer

i) Rohan answered all questions and scored 24 marks though he got 8 correct answers.

ii) Smitha answered all questions and scored (-15) marks though he got 3 correct answers. How many incorrect answer had they attempted?

16. In a class test containing 15 questions 4 marks are given for every correct answer and (-1) marks are given for every incorrect answer.

i) Gokul attempts all questions but only 6 of his answers are correct. What is his total score?

ii) Neena gets 12 of her answers correct. What will be her score?

---