Chapter – 6

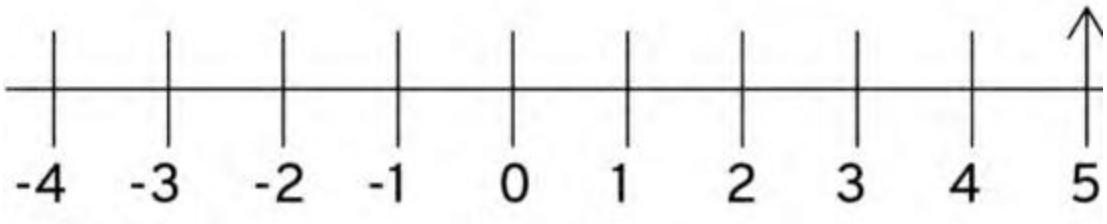
Integers

Worksheet – 2

1. Which of the following is an integer?
   a. $\frac{1}{4}$
   b. $\frac{1}{5}$
   c. – 1
   d. $\frac{1}{2}$
2. Which of the following is not an integer number?
   a. – 5
   b. – 6
   c. – 8.5
   d. – 9
3. The predecessor of (– 49) is ____.
   a. – 51
   b. – 50
   c. – 48
   d. – 47
4. The successor of (– 101) is ___.
   a. – 103
   b. – 102
   c. – 100
   d. – 99
5. What is the result of:
   (– 150) + 0 = ___
   a. (– 151)
   b. (– 150)
   c. (– 149)
   d. (– 148)
6. What is the result of:
   (– 48) – 0 = ___
   a. (– 49)
   b. (– 48)

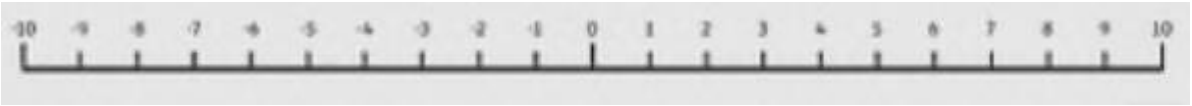
c. (– 50)
d. (– 51)

7. What will be the position of (+) 5 on the number line from (– 1)?



a. 4th to the right
b. 5th to the left
c. 6th to the right
d. 7th to the left

8. What will be the position of (–) 6 on the number line from (+) 1?



a. 4th to the right
b. 5th to the left
c. 6th to the right
d. 7th to the left

9. Match the column:

Column A	Column B
a. $\frac{3}{4}$	i. Are equidistant from 0 on the number line.
b. (–) 3 and (+) 3	ii. Is not an integer.
c. (–) 12 and (–) 8	iii. (+) 42
d. Difference between 28 and (–) 14	iv. Has three integers placed between them.

10. State true or false in the following statements:
    a. Ascending order of numbers on the number line is left to right.
    b. Descending order of numbers on the number line is right to left.
    c. Sum of two negative integers is always a positive number.
    d. Sum of two positive integers is always a negative integer.

11. Solve:
(–) 300 + 400 (–) 500 + 600 (–) 700 + 800 (–) 100?

12. Ramesh's monthly expenditure is ₹21,000 and his monthly salary is ₹20,000. How much more money he needs per month to match his expenditure level?
13. Manish salary in January was ₹14,000. His salary was increased to ₹20,000 in June and then again decreased to ₹13,000 in December. How much less salary he gets compared to his starting salary?
14. Find the value of the following:
    Note: | a | = Modulus of a
    i. | – 300|
    ii. 600 – | – 300|
    iii. (–) 300 – | – 400|
15. Find the value of the following:
    Note: | a | = Modulus of a
    iv. | – 400| + | – 300|
    v. 700 + | – 500|
    vi. 400 – |500 – 600|
16. Solve:
    {(–) 8 × 9 × (–) 15} + {7 × (–) 9 × 16}
17. Solve:
    {(–) 9 × 2 × (–) 11} + {4 × (–) 9 × 6}
18. Solve:
    {(–) 9 ÷ 3 × (–) 3} + {25 ÷ (–) 5 × 6}
19. Find:
    i. Four more than (–) 30.
    ii. Six less than (–) 28
    iii. 10 more than (–) 16
20. In a question paper of 100 multiple choice questions, a student gets 1 mark for correct answer but loses 0.25 mark for the wrong answer. If a student attempted 50 questions and answered only 6 of them correctly, then what will be his final score in the paper?