

Chapter – 6

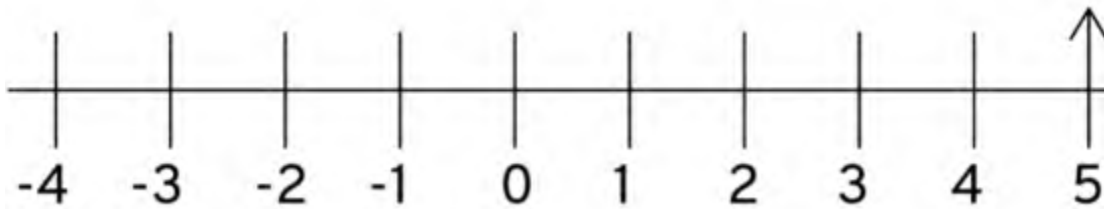
Integers

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:
 $(-150) + 0 = \underline{\hspace{2cm}}$
 - a. (-151)
 - b. (-150)
 - c. (-149)
 - d. (-148)
6. What is the result of:
 $(-48) - 0 = \underline{\hspace{2cm}}$
 - 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
- $|-300|$
 - $600 - |-300|$
 - $(-300) - |-400|$
15. Find the value of the following:
Note: $|a|$ = Modulus of a
- $|-400| + |-300|$
 - $700 + |-500|$
 - $400 - |500 - 600|$
16. Solve:
 $\{(-) 8 \times 9 \times (-) 15\} + \{7 \times (-) 9 \times 16\}$
17. Solve:
 $\{(-) 9 \times 2 \times (-) 11\} + \{4 \times (-) 9 \times 6\}$
18. Solve:
 $\{(-) 9 \div 3 \times (-) 3\} + \{25 \div (-) 5 \times 6\}$
19. Find:
- Four more than $(-)$ 30.
 - Six less than $(-)$ 28
 - 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?