

Chapter – 6

Integers

Worksheet – 1

1. _____ is an integer.

- a. $\frac{1}{4}$
- b. $\frac{1}{2}$
- c. $\frac{1}{3}$
- d. 0

2. Which of the following is not an integer number?

- a. 1
- b. 2.5
- c. 3
- d. 4

Fill in the blanks:

3. -10 _____ -11 .

- a. $<$
- b. $>$
- c. $=$
- d. $\geq$

4. -15 _____ -14 .

- a. $<$
- b. $>$
- c. $=$
- d. $\leq$

5. -16 _____ $- (-16)$.

- a. $<$
- b. $>$
- c. $=$
- d. $\leq$

Solve:

6. $-9 + (-11) =$ _____.

- a. -2
 - b. $+2$
 - c. -20
 - d. $+20$
7. $-10 - (-12) = \underline{\hspace{2cm}}$.
- a. -2
 - b. $+2$
 - c. -22
 - d. $+22$
8. $-14 - (-) 14 = \underline{\hspace{2cm}}$.
- a. 0
 - b. -28
 - c. $+28$
 - d. None of the above

9. Match the column:

Column A	Column B
a. $(-) 14$	i. 0
b. Sum of $(-) 16$ and $(+) 16$	ii. Smaller than $(+) 4$
c. Difference of $(-) 18$ and $(+) 18$	iii. Not an integer.
d. -12.43	iv. $(-) 36$

10. State true or false in the following:
- a. Sum of all the positive integers and all the negative integers will be 0.
 - b. When a negative integer is subtracted from another integer it rather gets added to it.
 - c. Division or multiplication is not possible in negative integers.
 - d. When a positive integer is added to a negative integer, the result will always be positive.
11. What is an 'Integer'?
12. Explain how to represent integers on a number line?
13. Explain ordering of integers on a number line?
14. What are the different rules for addition of integers?
15. Explain how to add integers on a number line?

16. Raju gave ₹300 to Mohan. Sometime later, he borrowed ₹600 from him.

How much money does he have to return to Mohan now?

17. Aarti had 5kg rice with her. She gave 3kg to her neighbor and received 5kg wheat grain in return. How much total grains she has now with her?

18. Mohan gave 20 candies to Raj. He borrowed 30 candies later from Raj.

How many candies he has to return to Raj now.

19. Solve:

$$-7 + 6 - 5 + 4 + 3 + 1 - 2 + 8 + 9$$

20. Solve:

$$+8 - 6 + 5 - 3 + 4 - 1 - 2 + 7 - 9$$