

## Chapter – 6

### Integers

#### Worksheet – 3

- \_\_\_\_\_ is neither a positive integer nor a negative integer.
  - 0
  - 1
  - 2
  - 4
- Arrange the below given integers in ascending order:  
(-5, -1, -6, +8, -2, +3, -9, +4, +7)
  - 9, -6, -5, +8, -2, -1, +3, +4, +7
  - 9, -6, -5, -2, +7, -1, +3, +4, +8
  - 9, -6, -5, -2, -1, +3, +4, +7, +8
  - 9, +4, -6, -5, +7, -2, -1, +3, +8
- Arrange the below given integers in descending order:  
(-6, +1, -7, -3, +8, -5, +9, -4, +2)
  - 7, -6, -5, -4, -3, +1, +2, +8, +9
  - +9, +8, +2, +1, -3, -4, -5, -6, -7
  - 7, -6, -5, +9, -4, -3, +1, +2, +8,
  - +9, +8, +1, -3, -4, -5, -6, -7, +2
- $-1 + 5 - 6 =$  \_\_\_\_\_.
  - 2
  - 4
  - +2
  - +4
- $+2 - 7 + 5 - 3 =$  \_\_\_\_\_.
  - 0
  - +3
  - 3
  - +4
- $\{(-8) \div 2 + 2 + 3\} \times 36 =$  \_\_\_\_\_.
  - 36
  - 4
  - 2

- d.  $-34$
7.  $\{(-) 8 \times (-) 2\} \div (-) 2\} - (- 5) = \underline{\hspace{2cm}}$ .
- a.  $-2$   
 b.  $-4$   
 c.  $-5$   
 d.  $-3$
8.  $\{(-) 4 \times 2\} \div (-) 1\} - (+ 6) = \underline{\hspace{2cm}}$ .
- a.  $-2$   
 b.  $+2$   
 c.  $-5$   
 d.  $+3$

9. Match the column:

Column A	Column B
a. $(+) 7 \times (-) 1$	i. $(+) 11$
b. $(-) 11 \times (-) 1$	ii. $(-) 7$
c. Successor of $(-) 201$	iii. $(-) 120$
d. Predecessor of $(-) 119$	iv. $(-) 200$

10. State true or false:

- a. While doing subtraction or addition on number line, the integer 0 is not taken into account.
- b. Additive inverse of  $(-) 6$  is  $(+) 6$ .
- c. Additive inverse of  $(+) 10$  is  $(-) 10$ .
- d. Dividing  $(-) 1$  with  $(-) 1$  gives 0.

11. Explain how to subtract integers using the number line?

12. What is the meaning of additive inverse of an integer give few examples?

13. Find the solution of following additions using number line:

- i.  $(-) 2 + 5$   $(-) 6 + 7$   $(-) 9$
- ii.  $+ 3$   $(-) 5 + 2$   $(-) 7 + 9$
- iii.  $+ 2 + 5$   $(-) 10 + 12$   $(-) 14$

14. Ayesha thinks of an integer. She subtracts 15 from it and gets the result as  $(-) 3$ . What was the integer she had in her mind?

15. Rehman thinks of an integer. She subtracts  $(-) 12$  from it and gets the result as  $(+) 4$ . What was the integer he had in his mind?

16. Solve:



$$\{(-) 3 \times (-) 6\} + \{(-) 4 \times (-) 5\} + \{(-) 2 \times (-) 7\}$$

17. Solve:

$$\{(-) 18 \div (-) 6\} + \{(-) 24 \div (-) 6\} + \{(-) 40 \div (-) 8\}$$

18. Solve:

$$\{(-) 30 \div (-) 6\} + \{(-) 3 \times (-) 2\} + \{(-) 16 \div (-) 8\}$$

19. Solve:

$$\{(-) 1 \times (-) 6\} + \{(-) 24 \div (-) 6\} + \{(-) 5 \times (-) 8\}$$

20. Solve:

$$\{(-) 6 \div (-) 6\} \times \{(-) 24 \div (-) 6\} \times \{(-) 60 \div (-) 4\}$$