

**PRACTICE QUESTIONS**  
**CLASS - VI: CHAPTER - 6**  
**INTEGERS**

1. Write the following numbers with appropriate signs :
    - (a) 100 m below sea level.
    - (b)  $25^{\circ}\text{C}$  above  $0^{\circ}\text{C}$  temperature.
    - (c)  $15^{\circ}\text{C}$  below  $0^{\circ}\text{C}$  temperature.
    - (d) any five numbers less than 0.
  2. Mark  $-3$ ,  $7$ ,  $-4$ ,  $-8$ ,  $-1$  and  $-3$  on the number line.
  3. By looking at the number line, answer the following questions : Which integers lie between  $-8$  and  $-2$ ? Which is the largest integer and the smallest integer among them?
  4. (a) One button is kept at  $-3$ . In which direction and how many steps should we move to reach at  $-9$ ?  
(b) Which number will we reach if we move 4 steps to the right of  $-6$ .
  5. Represent the following numbers as integers with appropriate signs.
    - (a) An aeroplane is flying at a height two thousand metre above the ground.
    - (b) A submarine is moving at a depth, eight hundred metre below the sea level.
    - (c) A deposit of rupees two hundred.
    - (d) Withdrawal of rupees seven hundred.
  6. Represent the following numbers on a number line :  
(a)  $+5$       (b)  $-10$       (c)  $+8$       (d)  $-1$       (e)  $-6$
  7. (a) Write four negative integers greater than  $-20$ .  
(b) Write four negative integers less than  $-10$ .
  8. Draw a number line and answer the following :
    - (a) Which number will we reach if we move 4 numbers to the right of  $-2$ .
    - (b) Which number will we reach if we move 5 numbers to the left of 1.
    - (c) If we are at  $-8$  on the number line, in which direction should we move to reach  $-13$ ?
    - (d) If we are at  $-6$  on the number line, in which direction should we move to reach  $-1$ ?
  9. Find the answers of the following additions:
    - (a)  $(-11) + (-12)$
    - (b)  $(+10) + (+4)$
    - (c)  $(-32) + (-25)$
    - (d)  $(+23) + (+40)$
  10. Find the solution of the following:
    - (a)  $(-7) + (+8)$
    - (b)  $(-9) + (+13)$
    - (c)  $(+7) + (-10)$
    - (d)  $(+12) + (-7)$
  11. Find the solution of the following additions using a number line :
    - (a)  $(-2) + 6$  (b)  $(-6) + 2$
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**12.** Find the solution of the following without using number line :

- (a)  $(+ 7) + (- 11)$
- (b)  $(- 13) + (+ 10)$
- (c)  $(- 7) + (+ 9)$
- (d)  $(+ 10) + (- 5)$

**13.** Using the number line, write the integer which is

- (a) 4 more than  $-1$
- (b) 5 less than 3

**14.** Find the sum of  $(- 9) + (+ 4) + (- 6) + (+ 3)$

**15.** Find the value of  $(30) + (- 23) + (- 63) + (+ 55)$

**16.** Find the sum of  $(- 10)$ ,  $(92)$ ,  $(84)$  and  $(- 15)$

**17.** Find the sum of :

- (a) 137 and  $- 354$  (b)  $- 52$  and 52
- (c)  $- 312$ , 39 and 192 (d)  $- 50$ ,  $- 200$  and 300

**18.** Find the sum :

- (a)  $(- 7) + (- 9) + 4 + 16$
- (b)  $(37) + (- 2) + (- 65) + (- 8)$

**19.** Fill in the blanks with  $>$ ,  $<$  or  $=$  sign.

- (a)  $(- 3) + (- 6)$  \_\_\_\_\_  $(- 3) - (- 6)$
- (b)  $(- 21) - (- 10)$  \_\_\_\_\_  $(- 31) + (- 11)$
- (c)  $45 - (- 11)$  \_\_\_\_\_  $57 + (- 4)$
- (d)  $(- 25) - (- 42)$  \_\_\_\_\_  $(- 42) - (- 25)$

**20.** Find

- (a)  $(- 7) - 8 - (- 25)$
- (b)  $(- 13) + 32 - 8 - 1$
- (c)  $(- 7) + (- 8) + (- 90)$
- (d)  $50 - (- 40) - (- 2)$

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**ASSIGNMENT QUESTIONS**  
**CLASS - VI: CHAPTER - 6**  
**INTEGERS**

1. Write the opposite of each of the following:  
(i) Increase in class strength (ii) going north (ii) A loss of Rs 1000
  2. Indicate the following by integers:  
(i)  $25^{\circ}$  above zero (ii)  $5^{\circ}$  below zero (iii) 300m above the sea level  
(iv) 250m below the sea level (v) A profit of Rs. 2000
  3. Represent the following integers on number line:  
(i)  $-4$  (ii)  $7$  (iii)  $-8$
  4. Write all the integers between:  
(i)  $-7$  and  $3$  (ii)  $-2$  and  $2$  (iii)  $-4$  and  $0$
  5. How many integers are between:  
(i)  $-4$  and  $3$  (ii)  $5$  and  $12$  (iii)  $-9$  and  $-2$
  6. Represent the following using integers with proper sign: (a) 3 km above sea level (b) A loss of Rs 500
  7. Find the sum of the pairs of integers: (a)  $-6, -4$  (b)  $+3, -4$  (c)  $+4, -2$
  8. Find the sum of  $-2$  and  $-3$ , using the number line.
  9. Subtract : (i) 3 from  $-4$  (ii)  $-3$  from  $-4$
  10. Using the number line, subtract : (a) 2 from  $-3$  (b)  $-2$  from  $-3$ .
  11. How many integers are there between  $-9$  and  $-2$  ?
  12. Calculate:  $1 - 2 + 3 - 4 + 5 - 6 + 7 - 8 + 9 - 10$
  13. The sum of two integers is 47. If one of the integers is  $-24$ , find the other.
  14. Write the digits 0, 1, 2, 3, 4, 5, 6, 7, 8 and 9 in this order and insert '+' or '-' between them to get the result (a) 5 (b)  $-3$
  15. Compute each of the following:  
(a)  $30 + (-25) + (-10)$  (b)  $(-20) + (-5)$   
(c)  $70 + (-20) + (-30)$  (d)  $-50 + (-60) + 50$   
(e)  $1 + (-2) + (-3) + (-4)$  (f)  $0 + (-5) + (-2)$   
(g)  $0 - (-6) - (+6)$  (h)  $0 - 2 - (-2)$
  16. If we denote the height of a place above sea level by a positive integer and depth below the sea level by a negative integer, write the following using integers with the appropriate signs:  
(a) 200 m above sea level (b) 100 m below sea level  
(c) 10 m above sea level (d) sea level
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17. Write the opposite of each of the following:  
(a) Decrease in size (b) Failure  
(c) Profit of Rs.10 (d) 1000 A.D.  
(e) Rise in water level (f) 60 km south  
(g) 10 m above the danger mark of river Ganga  
(h) 20 m below the danger mark of the river Brahmaputra  
(i) Winning by a margin of 2000 votes  
(j) Depositing Rs.100 in the Bank account  
(k)  $20^{\circ}\text{C}$  rise in temperature.
18. Temperature of a place at 12:00 noon was  $+5^{\circ}\text{C}$ . Temperature increased by  $3^{\circ}\text{C}$  in first hour and decreased by  $1^{\circ}\text{C}$  in the second hour. What was the temperature at 2:00 pm?
19. Write the digits 0, 1, 2, 3, ..., 9 in this order and insert '+' or '-' between them to get the result 3.
20. Write the integer which is its own additive inverse.
21. Write six distinct integers whose sum is 7.
22. Write the integer which is 4 more than its additive inverse.
23. Write the integer which is 2 less than its additive inverse.
24. Write two integers whose sum is less than both the integers.
25. Write two distinct integers whose sum is equal to one of the integers.
26. Using number line, how do you compare (a) two negative integers? (b) two positive integers? (c) one positive and one negative integer?
27. Observe the following :  $1 + 2 - 3 + 4 + 5 - 6 - 7 + 8 - 9 = -5$
28. Change one '-' sign as '+' sign to get the sum 9.
29. Arrange the following integers in the ascending order : -2, 1, 0, -3, +4, -5
30. Arrange the following integers in the descending order : -3, 0, -1, -4, -3, -6
31. Write two integers whose sum is 6 and difference is also 6.
32. Write five integers which are less than -100 but greater than -150.
33. Write four pairs of integers which are at the same distance from 2 on the number line.
34. The sum of two integers is 30. If one of the integers is -42, then find the other.
35. Sum of two integers is -80. If one of the integers is -90, then find the other.
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