1. Represent the following using integers with proper sign:

    (a) 3km above sea level   (b) A loss of Rs 500

2. Subtract

    (i) from -4   (ii) -3 from -4

3. The sum of two integers is 47 . If one of the integers is -24 , find the other.

4. Write five distinct integers whose sum is 5 .

5. Temperature of a place at 12: 00 noon was $+5^{\circ}C$. Temperature increased by $3^{\circ}C$ in first hour and decreased by $1^{\circ}C$ in the second hour. What was the temperature at $2:00pm$?

6. On the number line, 10 is to the_____ of zero.

7. The additive inverse of 14 is_____.

8. 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) 200m above sea level   (b) 100m below sea level

9. Write the opposite of each of the following

    (a) Decrease in size   (b) Failure

    (c) Profit of Rs. 10   (d) 1000 A.D.

10. Write the integer which is 2 less than its additive inverse.

11. Subtract -5308 from the sum $[(-2100)+(-2001)]$

12. Using the number line, write the integer which is (a) 4 more than -5 (b) 3 less than 2 (c) 2 less than -2 .

13. If we are at 8 on the number line, in which direction should we move to reach the integer

    (a) -5   (b) 11   (c) 0 ?

14. Write the opposite of each of the following:

    (a) $20^{\circ}C$ rise in temperature.

    (b) 60km south

    (c) Depositing Rs. 100 in the Bank account

    (d) 20m below the danger mark of the river Brahmaputra (e) Winning by a margin of 2000 votes