

Board – CBSE

Class – VII

Topic: Integers

1. What is the value of $(-23) - [(-25) - \{(-17) - (-19)\}]$
2. What should be subtracted from -1963 to obtain -9512 ?
3. What is the sum of the additive inverses of -29 and 61 ?
4. If the integers $12, -6, 8, -5, 7, -4, 3$ are marked on the number line, the one that comes on the extreme left is?
5. The difference in temperatures $+50^{\circ}\text{C}$ and -50°C is?
6. The product of two integers is (-840) . If one of them is (-70) , find the other.
7. Simplify the following:
 - a) $120 \div [18 - \{20 - 3(9-5)\}]$
 - b) $64 \div [16 \times (-3) - 2 \times \{17 - 25\}]$
8. By how much does 2 exceed (-5) ?
9. The product of three integers is (-85) . If the two integers are (-17) and (-5) , find the third.
10. Raghu has 30 marbles. In 5 games he won 3 marbles each and in 7 games he lost 2 marbles each. Find the marbles he has at the end of the games
11. In a test $(+5)$ marks are given for every correct answer and (-2) for incorrect answer
 - a) Radhika answered all the questions and scored 30 marks though she got 10 correct answers.
 - b) Jay also answered all the questions and scored (-12) marks though he got 4 correct answers. How many incorrect questions did they attempt?
12. A shopkeeper earns a profit of Re 1 by selling 1 pen and incurs a loss of 40 paise per pencil while selling pencils of her old stock.
 - a) In a particular month she incurs a loss of Rs 5 . In this period, she sold 45 pens. How many pencils did she sell in this period?
 - b) In the next month she earns neither profit nor loss. If she sold 70 pens, how many pencils were sold?
13. A man has Rs. $20,000$ in his account in a bank. He withdraws Rs. 3000 per month for the first two months and deposits double of this amount on third month. What will be the balance in his account after 3 months?
14. A man travelled 30 km east of a place A and reached B. From B he travelled 60 km west of B and reached C. Find the distance of C from A.
15. The temperature at 12 noon was 10°C above zero. If it decreases at the rate of 2°C per hour until midnight, at what time would the temperature be 8°C below zero? What would be the temperature at mid – night?