

## CLASS – 6th (INTEGERS)

1. Evaluate:  $(-7) + 12 - (-5) + (-18) - 3$
2. Simplify:  $15 - (-9) + (-6) - 11 + (-20)$
3. Calculate:  $(-4) \times 3 + (-10) \div 2 - (-8)$
4. Solve:  $27 \div (-3) - (-5) \times (-4) + 16$
5. Find the value of:  $(-1) \times (-1) \times (-1) \times (-1) \times (-1) + (-1)$
6. A submarine was situated at 300 meters below sea level. If it ascends 150 meters, what is its new position relative to sea level?
7. The temperature of a city was  $15^{\circ}\text{C}$  in the morning. It dropped by  $8^{\circ}\text{C}$  in the afternoon and then further dropped by  $3^{\circ}\text{C}$  at night. What was the temperature of the city at night?
8. Mohan deposited ₹5000 in his bank account on Monday. On Tuesday, he withdrew ₹2750. On Wednesday, he deposited ₹1200. What is the balance in his account on Wednesday?
9. An elevator starts from the ground floor. It goes up 5 floors, then down 3 floors, and then up 7 floors. Which floor is the elevator on now?
10. A shopkeeper bought 20 apples at ₹15 each. He found that 4 apples were rotten and threw them away. He sold the remaining apples at ₹20 each. Find his profit or loss. (Hint: Consider the total cost and total selling price).
11. In a game, Team A scored 15 points, then lost 25 points, and finally gained 10 points. Team B scored -5 points, then gained 20 points, and finally lost 12 points. Which team has a higher score?
12. Ravi travels 30 km towards the East from point P. Then he travels 45 km towards the West from the same point P. What is his final position relative to point P?
13. A water tank can hold 500 litres of water. A pipe fills it at a rate of 25 litres per minute, and another pipe empties it at a rate of 15 litres per minute. If both pipes are opened simultaneously, how long will it take to fill the empty tank?
14. The product of two integers is -36. If one of the integers is 9, find the other integer.
15. The quotient of two integers is -5. If the divisor is -3, find the dividend.
16. Fill in the blank with an integer to make the equation true:  $(-8) - \underline{\hspace{1cm}} \times 4 = -32$
17. Fill in the blank with an integer to make the equation true:  $\underline{\hspace{1cm}} \div (-5) + 9 = 2$
18. Simplify
  - $-7 + 10 - 4 + 9 - 11 + 6 =$
  - $18 - 5 + (-3) - 12 + 2 - 8 =$
  - $-14 + 1 + 6 - 10 + 7 - 3 =$
  - $5 - 16 + 8 - 2 + 13 - 9 =$
  - $-2 + 15 - 7 + 4 - 12 + 6 =$
  - $11 - 8 + 6 - 13 + 4 - 9 + 7 =$
  - $-6 + 14 - 3 + 10 - 5 + 2 - 12 =$
  - $20 - 15 + 9 - 11 + 3 - 7 + 1 =$
  - $-18 + 4 - 1 + 12 - 6 + 8 - 5 =$

**ANSWERS:-** (1) -11, (2) -13, (3) -9, (4) -13, (5) -2, (6) -150 m, (7) 4 degree Celsius, (8) 3450, (9) 9, (10) Rs 20, (11) B, (12) 15km west of P, (13) 50 min, (14) -4, (15) 15, (16) 6, (17) 7, (18) 3, -8, -13, -1, 4, -2, 0, 0, -6,

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