

Class Notes

Class: VII

Topic: CHAPTER-1. INTEGERS

Subject: MATHEMATICS

1. 2 subtracted from 7 gives

(a) - 9

(b) 5

(c) - 5

(d) 9

2. Smallest integer is

(a) 0

(b) - 1

(c) we cannot write

(d) - 10000

3. The number 3 less than - 2 is

(a) - 1

(b) 1

(c) 5

(d) - 5

4. Sum of two negative integers is always

(a) Positive

(b) Negative

(c) 0

(d) 1

5. In addition and subtraction of the integers the sign of answer depends upon

(a) Smaller Number

(b) Their Difference

(c) Their Sum

(d) Greater numerical value

6. Which of the following set of numbers is in descending orders?

(a) 2, - 2, 1, - 1

(b) 0, 1, 2, 3

(c) 1, 0, - 1, -2

(d) - 3, - 2, -1, 0

7. Write the opposite of each of the following:

(i) Increase in class strength (ii) going north (iii) A loss of Rs 1000

8. Indicate the following by integers:

(i) 250 above zero (ii) 50 below zero (iii) 300m above the sea level (iv) 250m below the sea level
(v) A profit of Rs. 2000

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

10. Write the integer which is its own additive inverse.

11. Verify $(-30) \times [13 + (-3)] = [(-30) \times 13] + [(-30) \times (-3)]$

12. In a class test containing 15 questions, 4 marks are given for every correct answer and (-2) marks are given for every incorrect answer. (i) Gurpreet attempts all questions but only 9 of her answers are correct. What is her total score? (ii) One of her friends gets only 5 answers correct. What will be her score?

13. An elevator descends into a mine shaft at the rate of 5 metre per minute. What will be its position after one hour? If it begins to descend from 15 m above the ground, what will be its position after 45minutes?

14. A certain freezing process requires that room temperature be lowered from 40°C at the rate of 5°C every hour. What will be the room temperature 10 hours after the process begins?

15. Find each of the following products:

(i) $(-18) \times (-10) \times 9$ (ii) $(-20) \times (-2) \times (-5) \times 7$ (iii) $(-1) \times (-5) \times (-4) \times (-6)$

Class Notes

Class: VII

Topic: CHAPTER-2. FRACTIONS AND DECIMALS

Subject: MATHEMATICS

Very short answer type questions

Q1. $\frac{1}{5}$ of a number is 3000. Find $\frac{1}{3}$ of the amount.

Q2. $56.09 \times 10 = \underline{\hspace{2cm}}$

Q3. What is the reciprocal of a) 1 b) 0?

Q4. $4.9 \div 1 = \underline{\hspace{2cm}}$

Q5. $\underline{\hspace{2cm}} \times 37 = 1$

Q6. $7.005 \times 100 = \underline{\hspace{2cm}}$

Q7. $1.1 \times 0.1 \times 0.01 = \underline{\hspace{2cm}}$

Q8. $3.45 \div 25 = \underline{\hspace{2cm}}$

Q9. $48.75 \div 100 = \underline{\hspace{2cm}}$

Q10. $0.99 \div 1.1 = \underline{\hspace{2cm}}$

Short answer type questions

Q11. The product of two decimals is 131.58. If one of them is 21.5. Find the other.

Q12. A milkman sells 42 litres of milk at rupees 25.50 per litre to a hotel. How much money will he get from them?

Q13. The thickness of 15 notebooks is 22.5cm. Find the thickness of one notebook.

Q14. Rohit has 50 rupees. He wants to buy chocolates from that money. If the cost of each chocolate is 7.50 rupees, how many chocolates can he buy?

Q15. A postman walks $5\frac{3}{5}$ km in a day. How much distance will he cover in $5\frac{1}{2}$ days?

Q16. What should be added to 5.74 to get 6?

Q17. Find: a) $2.73 \div 1.3$ b) 11.2×0.15

Long answer type questions

Q18. Rekha covered a distance of $15\frac{1}{10}$ km. Out of this she covered $5\frac{1}{4}$ km by train, $6\frac{1}{2}$ km

by bus and rest by taxi. How many kilometres did she cover by taxi?

Q19. In a society, there were 100 members. Each member has to participate in some activity like art, basketball, cricket and football. $\frac{3}{10}$ of the members participated in art, $\frac{1}{10}$ in basketball and 17 played cricket. How many members participated in football?

NOTE: THE STUDENTS ARE ADVISED TO SOLVE THESE QUESTIONS AS THEIR DRILL ACTIVITY.

LEARNING OUTCOMES:

***The student is able to apply the properties of addition, subtraction, multiplication and division of integers.**

***The student is able to perform the operations of addition, subtraction, multiplication and division of fractions and decimals.**