

Linear Equation in One variable (Set3)

1. A number is such that it is as much greater than 84 as it is less than 108. Find the number.
2. Heena has only ₹ 2 and ₹ 5 coins in her purse. If in all she has 80 coins in her purse amounting to ₹ 232, find the number of ₹ 5 coins.
3. A number is 56 greater than the average of its third, quarter and one twelfth. Find the number.
4. Aparna got ₹ 27840 as her monthly salary and over-time. Her salary exceeds the overtime by ₹ 16560. What is her monthly salary?
5. Kanwar is three years older than Anima. Six years ago, Kanwar's age was four times Anima's age. Find the Ages of Kanwar and Anima respectively.
6. A chair costs ₹ 250 and the table costs ₹ 400. If a housewife purchased a certain number of chairs and two tables for ₹ 2800, find the number of chairs she purchased.
7. A number consists of two digits whose sum is 8. If 18 is added to the number its digits are reversed. Find the number.
8. In a class of 35 students, the number of girls is two-fifths of the number of boys. Find the number of girls in the class.
9. After 12 years I shall be 3 times as old as I was 4 years ago. Find my present age.
10. Divide 34 into two parts in such a way that $(\frac{4}{7})$ th of one part is equal to $(\frac{2}{5})$ th of the other. Find the two parts.
11. The sum of two numbers is 80 and the greater number exceeds twice the smaller by 11. Find the numbers.
12. A number is as much greater than 15 as it is less than 51. Find the number.
13. The numerator of a fraction is 4 less than the denominator. If 1 is added to both its numerator and denominator, it becomes $\frac{1}{2}$. Find the fraction.
14. Sourav has Rs. 34 fifty paise and twenty-five paise coins. If the number of 25 paise coins be twice the number of 500 paise coins, how many coins of each kind does he have.
15. Arvind has Piggy bank. It is full of one rupee and fifty paise coins. It contains 3 times as many fifty paise coins as one-rupee coins. The total amount of the money in the bank is Rs. 35. How many coins of each kind are there in the bank?

Answer

- 1) 96
- 2) 24
- 3) 72
- 4) 22200
- 5) 10 years and 7 years
- 6) 8
- 7) 35
- 8) 10
- 9) 12 Years.
- 10) 14 and 20
- 11) 57
- 12) 33
- 13) $\frac{3}{7}$
- 14) 50 Ps coin – 34 and 25 Ps coin 68
- 15) One-rupee coins= 14 and 50 paise coins=42