

SATISH CHANDRA MEMORIAL SCHOOL
Class: VIII Ch: 2 (Linear Equation in One Variable)
Worksheet-2

Form linear equation in one variable and solve:

1. Sum of two numbers is 95. If one exceeds the other by 15, find the numbers.
2. The difference between two whole numbers is 66. The ratio of the two numbers is 2:5. What are the two numbers?
3. Three consecutive integers add up to 51. What are these integers?
4. The sum of three consecutive multiples of 11 is 363. Find these multiples.
5. The digits of a two-digit number differ by 3. If the digits are interchanged, and the resulting number is added to the original number, we get 143. What can be the original number?
6. Arjun is twice as old as Shriya. Five years ago his age was three times Shriya's age. Find their present ages.
7. Aarushi has a total of Rs 590 as currency notes in the denominations of Rs 50, Rs 20 and Rs 10. The ratio of the number of Rs 50 notes and Rs 20 notes is 3:5. If she has a total of 25 notes, how many notes of each denomination she has?
8. The present age of Sahil's mother is three times the present age of Sahil. After 5 years their ages will add to 66 years. Find their present ages.
9. Bansi has 3 times as many two-rupee coins as he has five-rupee coins. If he has in all a sum of Rs 77, how many coins of each denomination does he have?
10. Sum of the digits of a two-digit number is 9. When we interchange the digits, it is found that the resulting new number is greater than the original number by 27. What is the two-digit number?