Linear Equations Worksheet – 2

1. The three consecutive numbers are ____, ____ and ____ whose sum is 24.

2. Find the share of Anil when 30 rupees divided between Anil and Sunil, so that Anil gets 6 rupees more than Sunil.

3. In a 2 – digit number, the unit's place digit is y. If, the sum of digits be 11, then the number is (10x – 11). Write True /False.

4. If n is an even number, then the next number is 2(n+2). Write True/False.

5. If the sum of two consecutive numbers is 45 and one of them is x, then the other number is (45 - x). Write True/ False.

6. If $\frac{n}{11}$ = 10, then n = $\frac{11}{10}$. Write True / False.

7. Sita takes some fruits in a basket and visits three temple one by one. At each temple, she offers one of the fruits from basket. If she is left with 4 fruits at the end, then find the number of fruits she had in the beginning.

8. 10500 rupees are to be distributed among A, B and C in such a way that A gets 1000 rupees more than B and C gets 500 rupees more than B. Find the money received by C.

9. The volume of milk in a tank is twice of that in the other. If, we draw out 50 litres from the first and add it to other, the volumes of water in each tank will be the same. Find the volumes of water in each tank.

10. Rita and Gita are friend. They have equal amount of money in their pockets. Rita gave $\frac{1}{4}$ of her money to Gita for buying books and Gita buy books by paying half of the total money with her. If the remaining money in Gita's pocket is 1600rupees, then find the sum given by Rita.

11. The sum of three consecutive even natural numbers is 54. Find the greatest of these number.

12. The sum of four consecutive odd numbers is 88, find the prime number out of these number.

13. The sum of three consecutive numbers is 144. Find the number which is a multiple of 12 out of these numbers.

14. Find a number whose sixth part increased by 40 is equal to its fifth part decreased by 40.

15. Divide 63 into two parts. such that one part is $\frac{1}{6}$ of the other.

16. Two equal sides of a triangle are each 3m less than 4 times the third side. If its perimeter is 48, then find the dimensions of the triangle.

17. After 15 years Ranbir shall be 4 times as old as he was 3 years ago. Find his present age.

18. Solve the equation and find value of x. 5x (3x – 9) + 9 (7x – 13) = 4(7x – 8) + 220.

19. Solve following linear equation: 0.12(4x – 3) = 0.3x + 8

20. Denominator of a number is 9 less than its numerator. If 4 is added to the numerator, it becomes twice the denominator. Find the fraction.