

Linear Equation in one variable (Set 2)

1. A number when divided by 6 it diminished by 40. Find the Number.
2. In one fifth of a number decreased by 5 is 16, find the number.
3. One third of a number exceeds one fourth of the number by 15. Find the number
4. 6 more than one by fourth of a number is two fifth of that number. Find the number.
5. A number is as much greater than 21 as it less than 71. Find the number.
6. A number is 25 more than its $\frac{5}{6}$ th part. Find the number.
7. $\frac{2}{3}$ rd of a number is 20 less than the original number. Find the original number.
8. If 10 be added to four times of a certain number, the result is 5 less than five times the number. Find the number.
9. 17 less than four times a number is 11. Find the number.
10. The length of a rectangular plot of land exceeds its breath by 23m. if the length is decreased by 15m and the breath is increased by 7m, the area is reduced by 360 m^2 . Find the length and breadth of the plot.
11. The length of a rectangle park is twice its breath. If the perimeter of the park is 186m, find the length and breath.
12. The length of a rectangle plot is 6 m less than thrice its breadth. Find the dimensions of the plot if its perimeter is 148 m.
13. Two equal sides of an isosceles triangle are $3x - 1$ and $2x + 2$. The third side is $2x$ units. Find x and the perimeter of the triangle.
14. After 12 years, I shall be 3 times as old as I was 4 years ago. Find my present age.
15. A purse contains ₹ 550 in notes of denominations of ₹ 10 and ₹ 50. If the number of ₹ 50 notes is one less than that of ₹ 10 notes, then find the number of ₹ 50 notes.

Answer

- 1) 48
- 2) 105
- 3) 180
- 4) 40
- 5) 46
- 6) 150
- 7) 60
- 8) 15
- 9) 7
- 10) 75m , 52m
- 11) 62m, 31m
- 12) 20m , 54m
- 13) 3, 22 unit
- 14) 12 yrs
- 15) 9