MATHEMATICS

SIMPLE EQUATION

1. Write the following statement in the form of an equation: The sum of three times x and 10 is 13.@3x + 10 = 13@3x – 10 = 13@3x + 13 = 10@none of these@1000

2. Write the following statement in the form of an equation: If you subtract 3 from 6 times a number, you get 9@ 3x – 6 = 9@6x – 3 = 9@6x + 3 = 9@3x + 6 = 9@0100

3. Write the following statement in the form of an equation: One fourth of n is 3 more than 2@n/4 – 2 = 3@n/4 + 2 = 3@n/2 – 4 = 3@n/2+ 4 = 3@1000

4. Write the following statement in the form of an equation: One third of a number plus 2 is 3@m/3– 2 = 3@m/3+ 2 = 3@m/2– 3 = 3@m/2+ 3 = 3@0100

5. Write the following statement in the form of an equation: Taking away 5 from x gives 10@x – 5 = 10@x + 5 = 10@x – 10 – 5@none of these@1000

6. Write the following statement in the form of an equation: Four times a number p is 8.@ 4P = 8@P + 4 = 8@p – 4 = 8@p ÷ 4 = 8@1000

7. Write the following statement in the form of an equation: Add 1 to three times n to get 7@3n + 1 = 7@3n – 1 = 7@3n + 7 = 1@none of these@1000

8. Write the following statement in the form of an equation: The number b divided by 6 gives 5.@b/6= 5@b – 5 = 6@5b = 6@b + 5 = 6@1000

9. The solution of the equation x + 3 = 0 is@3@– 3@0@1@0100

10. The solution of the equation x – 6 = 1 is@1@6@–7@7@0001

11. The solution of the equation 5x = 10 is@1@2@5@10@0100

12. The solution of the equation m/2 = 3 = 3 is@2@3@12@6@0001

13. The solution of the equation 7n + 5 = 12 is @0@–1@1@5@0010

14. The solution of the equation 4p – 3 = 9 is@1@2@3@4@0010

15. The solution of the equation 5p + 2 = 7 is@0@1@–1@2@0100

16. The solution of the equation 3p – 2 = 4 is@0@1@2@3@0010

17. The solution of the equation p + 4 = 4 is@0@4@–4@8@1000

18. The solution of the equation m – 1 = 2 is@1@2@3@6@0010

19. The solution of the equation 2m = 4 is@1@2@-1@-2@0100

20. The solution of the equation m/3 = 3 is@3@6@9@12@0010

21. The solution of the equation = 6 is@6@7@14@3@0010

22. The solution of the equation 3p + 5 = 8 is@-1@1@3@5@0100

23. The solution of the equation 4p – 2 = 10 is@1@2@3@4@0010

24. The solution of the equation p/2 + 1 = 3 is@1@2@3@4@0001

25. The solution of the equation 3 m + 7=16 is@1@2@3@4@0010

26. The solution of the equation 2p – 1 = 3 is@1@2@3@4@@0100

27. The solution of the equation 4x + 5 = 9 is@1@2@3@4@1000

28. The solution of the equation 10 y – 20 = 30 is@ 1@2@3@5@0001

29. The solution of the equation y – 4 = – 1 is@1@2@3@4@0010

30. The solution of the equation y + 2 = – 2 is@ 2@-2@4@-4@0001

31. The solution of the equation 10t = – 20 is@1@-1@2@-2@0001

32. The solution of the equation z/2 = 3/4 is@1/2,@3/2,@1/4,@3/4,@0100

33. The solution of the equation 2s = 0 is@2@-2@0@1/2@0010

34. The solution of the equation – p/7 = 3 is@-3@-7@-21@21@0010

35. The solution of the equation 3s + 6 = 0 is@1@-1@2@-2@0001

36. The solution of the equation 10p = 10 is@1@–1@10@–10@1000

37. The solution of the equation 10p + 10 = 110 is@ 10@-10@100@110@1000

38. The solution of the equation 12p – 11 = 13 is@ 1@2@3@4@0100

39. The solution of the equation 2 (m + 3) = 8 is@ 1@2@3@4@1000

40. The solution of the equation – 2(x + 3) = 4 is@ -2@-3@-4@-5@0001

41. The solution of the equation 5/2 x = 15 is@ 2@4@6@10@0010

42. The solution of the equation 4(2 – x) = 4 is@ 1@2@3@4@1000

43. The solution of the equation – 4(2 + x) = 4 is@ – 1@– 2@– 3@– 4@0010

44. The solution of the equation – 4 = 2 (p – 2) is@ 0@1@2@4@1000

45. The solution of the equation 0 = 4 + 4(m + 1) is@ 1@– 1@2@– 2@0001

46Write the statements “Seven times a number plus 7 gets you 77”in the form of equations: @7x + 7 = 77@7x – 7 = 77@7x + 6 = 66@None of these@1000

47Solve the given equation: 3n - 2 = 46@16@12@14@None of these@1000

48Which is a solution of the equation 4x – 3 = 13?@ x = 5@x = 3@x = 4@None of these@0010

49Write an equation for If you take away 6 from 6 times y you get 60.@ 6y - 6 = 60@6y + 6 = 60@6y ÷ 6 = 60@None of these@1000

50The solution of the equation m – 7 = 3 is m =@ 15@12@10@None of these@0010

51Solve the given equation: x + 6 = 2.@ 4@6@-4@None of these@0010

52By solving the equation 2a - 2 = 20, the value of ‘a’ will be@12@14@11@13@0010

53Write an equation for three fourth of t is 15.@3/4 t = 15@3/4 + t = 15@3/4- t = 15@none of these@1000

54The solution of the equation 4m – 2 = 18 is m =@ 4@6@5@none of these@0010

55Write an equation in statement form: 2m = 7.@ Two times of a number m is 7.@Two added to m becomes 7.@Two subtracted from m becomes 7.@None of these.@1000

56Which is a solution of the equation 2x = 12?@ x = 4@x = 6@x = 5@x = 7@0100

57Write an equation for 2 subtracted from y is 8.@ y - 2 = 8@2y = 8@y + 2 = 8@None of these@0001

58Write the statements “If you take away 6 from 6 time a number, you get 60”in the form of equations:@ 6x + 6 = 60@6x – 5 = 60@6x – 6 = 60@None of these@0010

59Solve the given equation: b/2 = 6.@ 6@3@12@None of these@0010

60The solution of the equation 20m/3 = 40 is m =@5@6@7@none of these@0100

61Write an equation for one fourth of a number x minus 4 gives 4.@ 4x + 4 = 4@4x - 4 = 4@1/4x - 4 = 4@none of these@0010

62The solution of the equation 3x + 7 = 25 is x =@ 6@4@5@None of these@1000

63Write an equation in statement form: m minus seven gives 3.@ m + 7 = 3@7m = 3@m - 7 = 3@None of these@0010

64One - fifth of a number minus 4 gives 3. Find which of the following is the number?@ 21@4@15@35@0001

65Write an equation for the sum of numbers x and 4 is 9.@ 4x = 9@4 - x = 9@x + 4 = 9@None of these@0010

66Write the statements “The sum of three times x and 11 is 32” in the form of equations:@3x + 11 = 32@3x – 11 = 34@5x – 7 = 2@None of these@1000

67Write the solution of x - 1 = 0.@1@– 1@0@None of these@1000

68If 0.2(2x−1)−0.5(3x−1) = 0.4, what is the value of x?@1/11,@-1/11,@3/11,@-3/11@0100

69Write an equation for the number b divided by 5 gives 6.@ b/5= 6@5b = 6@b + 5 = 6@None of these@1000

70Write the statements “If you subtract 5 from 6 times a number, you get 7.”in the form of equations:@ 6x – 5 = 7@3x – 11 = 34@5x – 7 = 2@None of these@1000

71Write an equation for— If you add 3 to one third of x you get 30.@ 3x + 3 — 30@1/3x + 3 = 30@3x ÷ 3 = 30@None of these@0100

72Which is a solution of the equation x + 4 = 6?@ x = 5@x = 3@x = 2@x = 4@0010

73Write at least one other form for 5p = 20.@ Five times of a number p is 20@5 added to p is 20@5 divided by p is 20@None of these@1000

74In a coconut grove, (x+2) trees yield 60 coconuts per year, x trees yield 120 coconuts per year and (x−2) trees yield 180 coconuts per year. If the average yield per year per tree is 100, find x.@ 4@3@2@1@1000

75Solve the given equation: 3l = 42.@14@3@0@None of these@1000

76Write the statement “p multiplied by 16” in the form of expression.@16p@p + 16@p – 16@16 – p@1000

77Write an equation for seven times m plus 7 gets you 77.@ 7m + 7 = 77@7m - 7 = 77@7m ÷ 7 = 77@None of these@1000

78Write the statements “2 subtracted from a number is 8” in the form of equations:@ x – 8 = 2@x – 2 = 8@x – 5 = 8@None of these@0100

79Write an equation in statement form : p + 4 = 15.@ The sum of numbers p and 4 gives 15.@The multiplication of numbers p and 4 gives 15.@The division of numbers p and 4 gives 15.@None of these.@1000

80Which is a solution of the equation 5x + 2 = 17?@x = 4@x = 2@x = 3@x = 5@0010

81n + 5 = 19. Find the solution of given equation.@n = 13@n = 14@15@None of these@0100

82Which of the following equations can be constructed with x = 2?@ 3x+4=8@3x−4=2@3x+4=2@3x−4=8@0100

83Write an equation in statement form: P/2+ 2 = 8@p multiple by 2 and plus 2 is 8.@p added to 2 becomes 8.@Half a number of p plus 2 is 8.@none of these@0010

84The solution of the equation 2m = 7 is m =@ 14@7/2@2/7@None of these@0100

85Write an equation for Ten times a is 70.@ a +10 = 70@a - 10 = 70@10a = 70@None of these@0010

86You are decorating a gift pack with 15 flowers. You want an equal number of flowers in each of the 3 rows on the gift pack. Which equation would you use to find the number of flowers, r, in each row?@ r+3=15@ 15+r=3@3r=15@r=15@0010

87The solution of the equation 10−3y=1 is y=____.@0@1@2@3@0001

885 less than thrice a number and add 7. The result is 14. The number is_____.@5@4@6@2@0100

89Which of the given equation does not have 4 as the solution?@p+5=9@ 14−p=10@20/P=4@9p=36 @0010

90184 is divided into two parts such that one-third of one part may exceed one -seventh of the other part by 8, then the greater part is____.@72@110@112@114@0010

91If $\dfrac{2x}{1+\dfrac{1}{1+\dfrac{x}{1-x}}}$ then find the value of x. @1@ 4/3@1/3@2/3@0001

92What is the value of p that makes the following expression true?p−{−4−(2−8÷4)}=8@−12@−4 @4@12@0010

93If two third of a number, half of the same number and one-seventh of same number is added to itself, the result is 37. The number is ____.@$14\frac{2}{97}$ @$16\frac{2}{97}$@$18\frac{2}{97}$@ $15\frac{2}{97}$@0100

94If two supplementary angles differ by 44^0, then one of the angles is ____.@102^0@65^0@112^0@72^0@0010

95The value of x in $\frac{2}{4}(7x-1)-\left(2x-\frac{1-x}{2}\right)=x+\frac{3}{2} is$ ____.@2@3@1@0@0010

96If $\frac{2}{5}(5x+1)+\frac{3}{5}=1$, then what is the value of x?@ -1/5@1@0@1/5@0010

97If 9/5 of a number is 45, what is 1/5 of the same number?@5@25@30@81@1000

98Solve for x: $\frac{6x-2}{5}+\frac{3x+5}{18}=\frac{1}{3}$.@1/3,@2/3,@3/5,@8/3,@1000

99Which of the following statement do not hold in solving the equation15+3x=3?@3x=3−15@15−3=−3x @ 15+3x/3=3@ 15/3+3x/3=3/3@0010

100Form an equation of the form ax+b=c,where a, b and c are constants, such that the solution of the equation is x = 4.@2x+5=15@7x+2=10@5x+4=16@ 3x+4=16@0001