



MATHS

BOOKS - JNAN PUBLICATION

FORMATION OF EQUAITON AND ITS SOLUTIONS.



1. Let us find for which value of 'x' in the equation are satisfied.



2. Let us find for which value of 'x' in the equation are satisfied.

x - 2 + 4=6

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3. Let us find for which value of 'x' in the equation are satisfied.



4. Let us find for which value of 'x' in the equation are satisfied.

$$\frac{x}{3} = 2$$

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x - 4 = 7

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$$\frac{1}{3} = 2$$

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9 + 4 = 13

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20 = 4y

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14. I have Rs. x, My father gives me Rs.2, I shall

have Rs. 18. form the euation and solve it.

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15. Let us fill the following table and let us put

a O symbol on the value of the unknown that

satisfies the

P + 12 = 20



16. Let us fill the following table and let us put

a O symbol on the value of the unknown that satisfies the

6m = 48

17. Let us fill the following table and let us put

a O symbol on the value of the unknown that satisfies the

$$\frac{t}{5} = 2$$

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18. Let us fill the following table and let us put a O symbol on the value of the unknown that satisfies the

7- x = 5





19. Solve:-

x + 3 = 15

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20. Solve:-

y - 3 = 10

21. Solve:-

5x = 25



23. Solve:-

5x + 7 = 17



24. Let's read the following stories and let's form equations.

Pratima has 7 times more number of marble

than me. Pratima has 42 marbles.



25. Let's read the following stories and let's

form equations.

Milanbabu is 4 times as old as his son. After 5 years, Milanbabu's age will be 3 time, the age of his son.

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26. Let's read the following stories and let's form equations.

Rs. 187 is divided among myself, Dulai and Jahir

in such a way that Dulal got Rs. 5 less than me,

but Jahir got double of my amount.



27. Let's read the following stories and let's form equations.

In our village, out of 3895, number of illeterates one 1871 less than number of literate people.

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28. Let's read the following stories and let's

form equations.

A number which when multiplied by 12 and 48

subtracted from it, it becomes $2\frac{2}{5}$ part of the

original number.



29. Let's read the following stories and let's form equations.

In the first shop of Setara Begum, there are $\frac{1}{3}$ part apple, $\frac{2}{7}$ part is organge and remaining 160 are pears.



2x = 50



31. Let's solve the following equation.

3y + 10 = 160

$$rac{x}{2} - rac{5}{6} = 1rac{2}{3}$$

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33. Let's solve the following equation.

$$\frac{3}{20}x + 2 = x$$

6x = 7



35. Let's solve the following equation.

$$\frac{x}{3} = 7$$



3x = 9



37. Let's solve the following equation.

$$\frac{x}{3} = \frac{2}{1}$$



5x - 2 = 8

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39. Let's solve the following equation.

7y + 5 = 40

12x + 8 = 7x + 28

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41. Let's solve the following equation.

6(77 - 3x) + 12x = 0

5(x+3) + 4(2x+6) = 0

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43. Let's solve the following equation.

3(6-2x) = 4 (1-5x)

$$rac{x}{2} - rac{2}{5} = rac{x}{3} + rac{1}{4}$$

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45. Let's solve the following equation.

$$3+2x=1-x$$

5(2x-3) -3(3x - 7) = 5

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47. Let's solve the following equation.

$$\frac{2x}{3} = \frac{3x}{8} + \frac{7}{12}$$

$$\frac{3x+1}{16} + \frac{2x-3}{7} = \frac{x+3}{8} - \frac{1-3x}{10}$$

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49. Let's solve the following equation.

$$2t-3=rac{3}{10}(5t-2)$$

$$rac{ax+b}{3}=rac{cx+d}{2}$$

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51. Let's solve the following equation.

2x + 0.06x - 6.6 = 0.4x



$$0.5 + rac{x}{2} = 0.25 + 7$$

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53. Let's solve the following equation.

0.18(5x - 4) = 0.5x + 0.8



54. The relations of the ages of Shibnath and Somnath is 3: 4 if sum of their ages is 21 years then let's frame an equation to find the ages of Shibnath and Somnath.

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55. Let's frame the equations for the follwoing

problem and solve them.

When 6 is added to 6 times a number it

becomes 8 timnes of itself.





56. Let's frame the equations for the follwoing

problem and solve them.

 $\frac{1}{5}$ th of a number taken away from $\frac{1}{4}th$ of its

leaves a reaminder 2.

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57. Let's frame the equations for the follwoing

problem and solve them.

Of two numbers one is thrice the other. If 10 is

added to the smaller number the sum becomes $\frac{3}{4}th$ of the other number



58. Let's frame the equations for the follwoing problem and solve them. The length of kumar's rectangular fielf is $1\frac{1}{2}$ times of its breadth, the Perimeter of the land is 400m. Let's find the length and breadth of Kumar's land. **59.** Let me divide Rs. 170 among Manju, Kana and Amal in such a way that Kana gets Rs. 30 less than twice the amount Manju gets and Amal gets Rs. 15 more than half the amount Kana gets Let me find how much money each of them gets

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60. I have got soem apples. I gave $\frac{2}{3}rd$ of my apples to my brother. I am now left with

apples. Let me calculate how.



61. The ratio of the length and breadth of a rectangles is 3:2 and its perimeter is 100m. Let's find the area of the rectangle.

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62. The total number of Rs. 5 and Rs. 10 coins in my bag 20. If I have Rs. 145 in my bag. Let's

calculate the number of coins of each king I

had in the bag.



63. The three angles of a triangle are x° , $2x^{\circ}$ and $3x^{\circ}$. Let us find the measure of the greatest angle.



64. Chanchala's father borrows some money to build his house. He returned Rs. 2000. more than $\frac{1}{3}rd$ of the money be borrowed. However he still has to repay Rs. 27,000. Let's find the amount of money he borrowed.

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65. At present chadu is 8 years older than his

brother. After 5 yeras chadu's age will be

double the age of his brother age. Let's find

their present age.

