



# MATHS

## BOOKS - NAVNEET PUBLICATION - MAHARASHTRA BOARD

### EQUATIONS

#### Question Bank

1. Different mathematical operations are given in the two rows below. Find out the number

you get in each operation and make equations.

$$16 \div 2,$$



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2. Different mathematical operations are given in the two rows below. Find out the number you get in each operation and make equations.

$$5 \times 2$$



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3. Different mathematical operations are given in the two rows below. Find out the number you get in each operation and make equations.

$$9 + 4$$



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4. Different mathematical operations are given in the two rows below. Find out the number you get in each operation and make

equations.

$$72 \div 3,$$



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5. Different mathematical operations are given in the two rows below. Find out the number you get in each operation and make equations.

$$4 + 5$$



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6. Different mathematical operations are given in the two rows below. Find out the number you get in each operation and make equations.

$$8 \times 3,$$



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7. Different mathematical operations are given in the two rows below. Find out the number you get in each operation and make

equations.

$$19 - 10,$$



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**8.** Different mathematical operations are given in the two rows below. Find out the number you get in each operation and make equations.

$$10 - 2$$



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**9.** Different mathematical operations are given in the two rows below. Find out the number you get in each operation and make equations.

$$37 - 27,$$



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**10.** Different mathematical operations are given in the two rows below. Find out the number you get in each operation and make

equations.

$$6 + 7,$$



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**11.** Write the following using a letter

The sum of a certain number and 3.



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**12.** Write the following using a letter

The number obtained by subtracting 11 from



another number.



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**13.** Write the following using a letter

The product of 15 and another number.



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**14.** Write the following using a letter

Four times a number is 24



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**15.** Solve the following equations :

$$x + 9 = 11$$



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**16.** solve the following equations:

$$x - 4 = 9$$



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**17.** Find out which operation must be done on both sides of these equations in order to solve them :

$$8x = 24$$



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**18.** Find out which operation must be done on both sides of these equations in order to solve them :

$$\frac{x}{6} = 3$$





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19. Given below are some equations and the values of variables. Are these values the solutions to the corresponding equations ?

No.	Equation	Value of the variable	Solution (Yes/No)
1	$y - 3 = 11$	$y = 3$	No
2	$17 = n + 7$	$n = 10$	Yes
3	$30 = 5x$	$x = 6$	Yes
4	$\frac{m}{2} = 14$	$m = 7$	No



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20. Solve the following equations :

$$y - 1 = 5$$



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**21.** Solve the following equations :

$$8 = t + 5$$



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**22.** Solve the following equations :

$$4x = 52$$



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**23.** Solve the following equations :

$$19 = m - 4$$



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**24.** Solve the following equations :

$$\frac{p}{4} = 9$$



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**25.** Solve the following equations :

$$x + 10 = 5$$



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**26.** Solve the following equation :

$$m - 5 = -12$$



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**27.** Solve the following equation :

$$p + 4 = -1$$



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**28.** Write the given information as an equation and find its solution :

Haraba owned some sheep. After selling 34 of them in the market, he still had 176 sheep. How many sheep did Haraba have at first?



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**29.** Write the given information as an equation and find its solution :

Sakshi prepared some jam at home and filled it in bottles. After giving away 7 of the bottles to her friends she still has 12 for herself. How many bottles had she made in all ? If she filled 250 g of jam in each bottle, what was the total weight of the jam she prepared ?



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**30.** Write the given information as an equation and find its solution :

Archana bought some kilograms of wheat. She requires 12 kg per month and she got enough wheat milled for 3 months. After that, she had 14 kg of wheat left. How much wheat had Archana bought altogether?



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**31.** Tell the algebraic expression for each of the following :

25 more than  $x$ .



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**32.** Tell the algebraic expression for each of the following :

12 less than  $x$ .



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**33.** Tell the algebraic expression for each of the following :

5 times  $y$



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**34.** Tell the algebraic expression for each of the following :

$\frac{1}{4}$  th of  $m$



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**35.** In a Math Test, Ankush gets  $y$  marks. Amit gets 7 marks more than Ankush and Ahmed gets 1 mark less than Amit. How many marks did Amit and Ahmed get ?



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