

[Download Doubtnut Now](#)

**EXERCISE 4.1 - Question No. 1**

Complete the last column of the table

[Watch Free Video Solution on Doubtnut Now](#) 

**EXERCISE 4.1 - Question No. 2**

Check whether the value given in the brackets is a solution to the

given equation or not: (a)  $n + 5 = 19$  ( $n = 1$ ) (b)

$7n + 5 = 19$  ( $n = -2$ ) (c)  $7n + 5 = 19$  ( $n = 2$ ) (d)

$$4p - 3 = 13(p = 1) \text{ (e) } 4p - 3 = 13(p = 4) \text{ (f)}$$

$$4p - 3 = 13(p = 0)$$

Watch Free Video Solution on Doubtnut Now



### EXERCISE 4.1 - Question No. 3

Solve the following equations by trial and error method : (i)

$$5p + 2 = 17 \text{ (ii) } 3m - 14 = 4$$

Watch Free Video Solution on Doubtnut Now



### EXERCISE 4.1 - Question No. 4

Write equations for the following statements: (i) The sum of numbers  $x$  and 4 is 9. (ii) The difference between  $y$  and 2 is 8. (iii)

Ten times a is 70. (iv) The number b divided by 5 gives 6. (v) Three fourth of t is 15. (vi) Seven times m plus 7 gets you 77. (vii) One fourth of a number minus 4 gives 4. (viii) If you take away 6 from 6 times y, you get 60. (ix) If you add 3 to one third of z, you get 30

Watch Free Video Solution on Doubtnut Now



#### EXERCISE 4.1 - Question No. 5

Write the following equations in statement forms: (i)  $p + 4 = 15$

(ii)  $m - 7 = 3$  (iii)  $2m = 7$  (iv)  $\frac{m}{5} = 3$  (v)  $\frac{3m}{5} = 6$  (vi)

$3p + 4 = 25$  (vii)  $4p - 2 = 18$  (viii)  $\frac{p}{2} + 2 = 8$

Watch Free Video Solution on Doubtnut Now



## EXERCISE 4.1 - Question No. 6

Set up an equation in the following cases: (i) Irfan says that he has 7 marbles more than five times the marbles Parmit has. Irfan has 37 marbles. (Take  $m$  to be the number of Parmit's marbles.) (ii) Laxmi's father is 49 years old. He is 4 years older than three times Laxmi's age. (Take Laxmi's age to be  $y$  years.) (iii) The teacher tells the class that the highest marks obtained by a student in her class is twice the lowest marks plus 7. The highest score is 87. (Take the lowest score to be  $l$ .) (iv) In an isosceles triangle, the vertex angle is twice either base angle. (Let the base angle be  $b$  in degrees. Remember that the sum of angles of a triangle is 180 degrees).

Watch Free Video Solution on DoubtNut Now



### EXERCISE 4.2 - Question No. 1

Give first the step you will use to separate the variable and then

solve the equation: (a)  $x - 1 = 0$  (b)  $x + 1 = 0$  (c)  $x - 1 = 5$  (d)

$x + 6 = 2$  (e)  $y - 4 = -7$  (f)  $y - 4 = 4$  (g)  $y + 4 = 4$  (h)

$y + 4 = -4$

Watch Free Video Solution on Doubtnut Now



### EXERCISE 4.2 - Question No. 2

Give first the step you will use to separate the variable and then

solve the equation: (a)  $3l = 42$  (b)  $\frac{b}{2} = 6$  (c)  $\frac{p}{7} = 4$  (d)  $4x = 25$

Watch Free Video Solution on Doubtnut Now



### EXERCISE 4.2 - Question No. 3

Give the steps you will use to separate the variable and then solve

the equation: (a)  $3n - 2 = 46$  (b)  $5m + 7 = 17$  (c)  $\frac{20p}{3} = 40$  (d)

$\frac{3p}{10} = 6$  (e)  $8y = 36$  (f)  $\frac{z}{3} = \frac{5}{4}$  (g)  $\frac{a}{5} = \frac{7}{15}$  (h)  $20t = 10$

Watch Free Video Solution on Doubtnut Now



### EXERCISE 4.2 - Question No. 4

Solve the following equations: (a)  $10p = 100$  (b)  $10p + 10 = 100$

(c)  $\frac{p}{4} = 5$  (e)  $\frac{3p}{4} = 6$  (f)  $3s = -9$  (g)  $3s + 12 = 0$  (h)  $3s = 0$

(i)  $2q = 6$  (j)  $2q - 6 = 0$  (k)  $2q + 6 = 0$  (l)  $2q + 6 = 12$

Watch Free Video Solution on Doubtnut Now



**EXERCISE 4.3 - Question No. 1**

Solve the following equations.

Watch Free Video Solution on Doubtnut Now 

**EXERCISE 4.3 - Question No. 2**

Solve the following equations

Watch Free Video Solution on Doubtnut Now 

**EXERCISE 4.3 - Question No. 3**

Solve the following equations.

**EXERCISE 4.4 - Question No. 1**

Set up equations and solve them to find the unknown numbers in the following cases: (a) Add 4 to eight times a number; you get 60. (b) One fifth of a number minus 4 gives 3. (c) If I take three fourths of a number and count up 3 more, I get 21. (d) When I subtracted 11 from twice a number, the result was 15. (e) Munna subtracts thrice the number of notebooks he has from 50, he finds the result to be 8. (f) Ibenhal thinks of a number. If she adds 19 to it and divides the sum by 5, she will get 8. (g) Anwar thinks of a number. If he takes away 7 from  $\frac{5}{2}$  of the number, the result is  $\frac{11}{2}$ .



**EXERCISE 4.4 - Question No. 2**

Solve the following: (a) The teacher tells the class that the highest marks obtained by a student in her class is twice the lowest marks plus 7. The highest score is 87. What is the lowest score? (b) In an isosceles triangle, the base angles are equal. The vertex angle is  $40^\circ$ . What are the base angles of the triangle? (Remember, the sum of three angles of a triangle is  $180^\circ$ ). (c) Smitas mother is 34 years old. Two years from now mothers age will be 4 times Smitas present age. What is Smitas present age? (d) Sachin scored twice as many

runs as Rahul. Together, their runs fell two short of a double century. How many runs did each one score?

Watch Free Video Solution on DoubtNut Now



### EXERCISE 4.4 - Question No. 3

Solve the following: (i) Irfan says that he has 7 marbles more than five times the marbles Parmit has. Irfan has 37 marbles. How many marbles does Parmit have? (ii) Laxmi's father is 49 years old. He is 4 years older than three times Laxmi's age. What is Laxmi's age? (iii) Maya, Madhura and Mohsina are friends studying in the same class. (iv) People of Sundargram planted a total of 102 trees in the village garden. Some of the trees were fruit trees. The number of

non-fruit trees were two more than three times the number of fruit trees. What was the number of fruit trees planted?

[Watch Free Video Solution on DoubtNut Now](#) 

### SOLVED EXAMPLES - Question No. 1

Write the following statements in the form of equations: (i) The sum of three times  $x$  and 11 is 32. (ii) If you subtract 5 from 6 times a number, you get 7. (iii) One fourth of  $m$  is 3 more than 7. (iv) One third of a number plus 5 is 8.

[Watch Free Video Solution on DoubtNut Now](#) 

### SOLVED EXAMPLES - Question No. 2

Convert the following equations in statement form: (i)  $x - 5 = 9$

(ii)  $5p = 20$  (iii)  $3n + 7 = 1$  (iv)  $M5 - 2 = 6$

[Watch Free Video Solution on DoubtNut Now](#) 

### SOLVED EXAMPLES - Question No. 3

Consider the following situation: Rajus fathers age is 5 years more than three times Rajus age. Rajus father is 44 years old. Set up an equation to find Rajus age.

[Watch Free Video Solution on DoubtNut Now](#) 

### SOLVED EXAMPLES - Question No. 4

A shopkeeper sells mangoes in two types of boxes, one small and one large. A large box contains as many as 8 small boxes plus 4 loose mangoes. Set up an equation which gives the number of mangoes in each small box. The number of mangoes in a large box is given to be 100.

[Watch Free Video Solution on Doubtnut Now](#)



**SOLVED EXAMPLES - Question No. 5**

Solve : (a)  $3n + 7 = 25$  (b)  $2p - 1 = 23$

[Watch Free Video Solution on Doubtnut Now](#)



**SOLVED EXAMPLES - Question No. 6**

Solve :  $12p - 5 = 25$

Watch Free Video Solution on Doubtnut Now 

**SOLVED EXAMPLES - Question No. 7**

Solve (a)  $4(m + 3) = 18$  (b)  $-2(x + 3) = 5$

Watch Free Video Solution on Doubtnut Now 

**SOLVED EXAMPLES - Question No. 8**

The sum of three times a number and 11 is 32. Find the number.

Watch Free Video Solution on Doubtnut Now 

**SOLVED EXAMPLES - Question No. 9**

The sum of three times a number and 11 is 32. Find the number.

Find a number, such that one fourth of the number is 3 more than

Watch Free Video Solution on DoubtNut Now



**SOLVED EXAMPLES - Question No. 10**

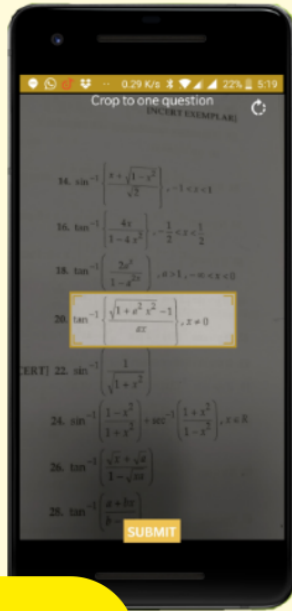
Rajus father's age is 5 years more than three times Rajus age. Find

Rajus age, if his father is 44 years old.

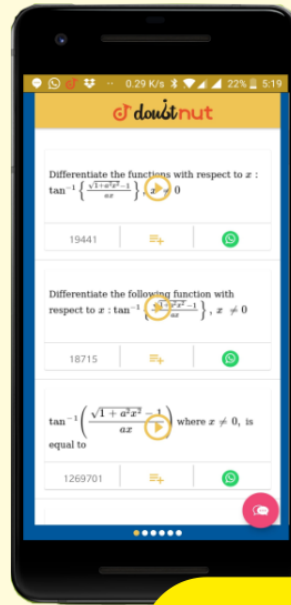
Watch Free Video Solution on DoubtNut Now



FREE Mein Milega Maths ke har question ka video solution :)



Bas Question  
ki photo khicho..



Turant video  
solution paayo!!

 **doubt**nut  
पढ़ना हुआ आसान

**DOWNLOAD NOW!**