

Get better at Math.  
Get better at  
everything.



Come experience the Cuemath methodology and ensure your child stays ahead at math this summer.



**Adaptive  
Platform**



**Interactive Visual  
Simulations**



**Personalized  
Attention**

For Grades 1 - 10



LIVE online classes  
by trained and  
certified experts.

Get the Cuemath advantage

**Book a FREE trial class**

## Solving Equations with Variables on Both Sides Worksheets

### Questions:

Solve questions 1-7 for the variable

1.  $-7x - 3x + 2 = -8x - 8$

2.  $n - 3n = 14 - 4n$

3.  $-8n + 4(1 + 5n) = -6n - 14$

4.  $-31 - 4x = -5 - 5(1 + 5x)$

5.  $4(-8x + 5) = -32x - 26$

6.  $7.8g - 3.1 = 3.9g + 0.8$

7.  $\frac{3}{4}v + 5 = \frac{-1}{4}v + 6$

8. The sum of the values of x and y which form the solution to the system of equations

$$\frac{1}{2(2x+3y)} + \frac{12}{7(3x-2y)} = \frac{1}{2},$$

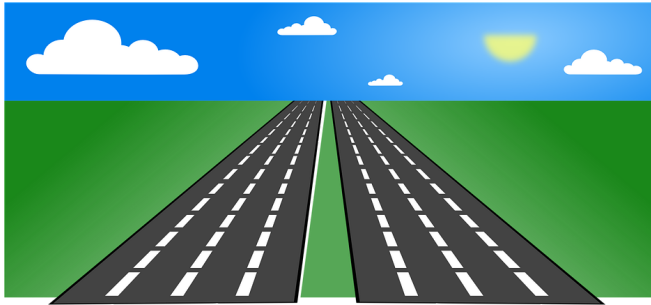
$$\frac{7}{(2x+3y)} + \frac{4}{(3x-2y)} = 2$$

is \_\_\_\_\_?

9. If Alpha Biswas travels 300 km by train and 200 km by bus, she will take 5 hours 30 minutes to complete her journey. But, if she travels 260 km by train and 240 km by bus, she will take 6 minutes longer. Then, the speed of the train is \_\_\_\_\_ km/hr

10. Points A and B are 90 km apart from each other on a highway. A car starts from A and another from B at the

same time. If they go in the same direction, they meet in 9 hours, and if they go in opposite directions, they meet in 97 hours. The speed of the faster car is \_\_\_\_\_ km/hr



ANSWERS	
1.	5
2.	7
3.	-1
4.	1
5.	No solution
6.	1
7.	1
8.	3
9.	100
10.	40

When you learn math  
in an interesting way,  
you never forget.



**25 Million**

Math classes &  
counting

**100K+**

Students learning  
Math the right way

**20+ Countries**

Present across USA, UK,  
Singapore, India, UAE & more.

## Why choose Cuemath?

"Cuemath is a valuable addition to our family. We love solving puzzle cards. My daughter is now visualizing maths and solving problems effectively!"

- Gary Schwartz

"Cuemath is great because my son has a one-on-one interaction with the teacher. The instructor has developed his confidence and I can see progress in his work. One-on-one interaction is perfect and a great bonus."

- Kirk Riley

"I appreciate the effort that miss Nitya puts in to help my daughter understand the best methods and to explain why she got a problem incorrect. She is extremely patient and generous with Miranda."

- Barbara Cabrera

Get the Cuemath advantage

**Book a FREE trial class**