

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.  $6r + 7 = 13 + 7r$

2.  $-14 + 6b + 7 - 2b = 1 + 5b$

3.  $5 + 2x = 2x + 6$

4.  $4n - 40 = 7(-2n + 2)$

5.  $8x + 4(4x - 3) = 4(6x + 4) - 4$

6.  $4.6c - 3 = 3.2c + 1.2$

7.  $\frac{1}{2}x - 3 = 2 - \frac{3}{4}x$

8. Let  $x, y$  be the solution to the following system of equations:

$$(a - b)x + (a + b)y = a^2 - 2ab - b^2$$

$$(a + b)(x + y) = a^2 + b^2$$

The value of  $xy$  is equal to

- a.  $2ab$
  - b.  $-2ab$
  - c.  $ab$
  - d.  $-ab$
  - e. None of these
9. The sum of the values of  $x$  and  $y$  which form the solution to the system of equations

$$\frac{5}{x-1} + \frac{1}{y-2} = 2,$$

$$\frac{6}{x-1} + \frac{3}{y-2} = 1$$

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

10.8 men and 12 boys can finish a task in 5 days, while 6 men and 8 boys can finish it in 7 days. Find the number of days taken by 1 boy to complete the work.



= \_\_\_\_\_ days

ANSWERS	
1.	-6
2.	-8
3.	No Solution
4.	3
5.	All real numbers
6.	3
7.	4

8.	$-2ab$
9.	9
10.	140

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**