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## 5th Grade Algebra Worksheets

- 1) Write an equation to find breadth of the given rectangle whose area is 28 square units and length is 7 units and solve it.



- 2) Solve for x:

a)  $3x + 7 = 10$

b)  $18 - x = 7$

- 3) Find the missing value.

$$15 + ? - 4 \div 2 = 21$$

- 4) Fill the blanks given:

$$(9 - 6) \times 8 \div 4$$

$$\text{-----} \times 8 \div 4$$

$$\text{-----} \div 4$$

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- 5) Bob bought 5 pencils costing \$4 each. If he pays \$30 to the shop owner, how much money will he get back?

Price-\$4 each



6) When 5 is added to the product of 6 and a certain number, the result is 65. What is the value of the number?

7) Number of girls is twice the number of boys in the class. If the total number of students is 45, find the number of girls and boys?

8) Solve the riddle:

$$\begin{aligned} \square + \square &= 12 \\ \square \times \triangle + \triangle &= 21 \\ \square \times \triangle - \circ \times \square &= \square \\ \circ &= ? \end{aligned}$$

9) Complete the following table:

Statement	Expression/Equation
2 times a number added to 5 gives 15	
	$7 - 8y$
9 subtracted from 5 times a number	

10) Which values of x and y satisfy the given equation.

$$5x - 10 = y - 34.$$

- a)  $x = 7, y = 3$
- b)  $x = 39, y = 3$
- c)  $x = 2, y = 36$
- d)  $x = 3, y = 39$

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## Why choose Cuemath?

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- 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."

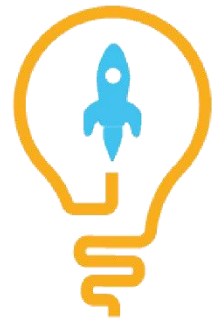
- Kirk Riley

"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."

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**ANSWERS**

1)	$B = A/L$ , $B = 4$ units
2)	a) 1 b) 11
3)	8
4)	$\underline{3} \times 8 \div 4$ $\underline{24} \div 4$ 6
5)	\$10
6)	10
7)	Girls=30, Boys=15
8)	1
9)	a) $2x + 5 = 15$ b) Eight times a number subtracted from 7 c) $5x - 9$
10)	d) $x = 3$ , $y = 39$

## FUN FACT

1. The roots of [algebra](#) are back to 1900 BC when it was traced that it was Babylonians who came up with Algebra.
2. The signs of (+) and (-) were discovered in the 16th century. Before that, people use words to express [addition](#) and [subtraction](#) or positive and negative values which was a time consuming process.
3. Algebra is used everywhere, literally 'everywhere' whether it is cooking, laundry, shopping, business, manufacturing, rocket science etc.

