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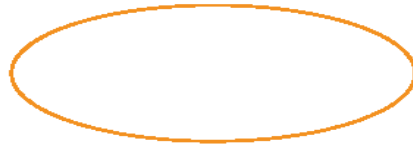
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## 5th Grade Algebra Worksheets

1) Solve and write the value of  $y$ :

$$6 + 3y = 34$$



2) If yellow marbles are three more than twice the number of red marbles. And there are ' $y$ ' yellow marbles. How many red marbles are there?

3) Solve the riddle given below:

$$\star + \star + \star = 18$$

$$\star + \diamond + \diamond = 14$$

$$\diamond - \circ = 2$$

$$\circ + \star + \diamond = ?$$

4) Three friends went to the restaurant. The total bill was \$56. If two of the friends paid \$40, how much would the third person have to pay?



5) What value will come in place of  $\square$  :  
 $3 \square - 9 = 12$

- a) 5
- b) 6
- c) 7
- d) 8

6) Solve for a:

- a)  $8a + 7 = 63$
- b)  $9 - 3a = 6$

7) Form an expression in terms of x:

“4 added to three times a number”

8) A child scored 56 marks in math test and his marks in math is 13 more than his marks in English. Find out marks scored by him in English test?

9) How many packs of orange juice can you buy with \$234, if one pack costs \$13?



**Price-\$13**

10) If Sara's income is \$1500 (monthly) and her expenditures are half of her savings in that month, calculate the amount of her expenditure and her savings?



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in an interesting way,  
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## 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."

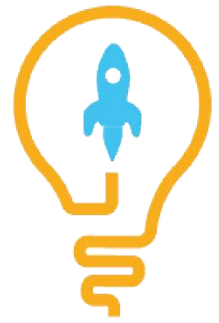
- Kirk Riley

"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

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**ANSWERS**

1)	$y = \frac{28}{3}$
2)	$\frac{y-3}{2}$
3)	12
4)	\$16
5)	c) 7
6)	a) 7, b) 1
7)	$3x+4$
8)	43 marks
9)	18 packs of orange juice
10)	Expenditure = \$500, Savings = \$1000

## FUN FACT

1. Algebra is used everywhere, literally 'everywhere' whether it is cooking, laundry, shopping, business, manufacturing, rocket science etc.
2. The word "algebra" is derived from the Arabic word 'al-jabr'.
3. The roots of algebra are back to 1900 BC when it was traced that it was Babylonians who came up with Algebra.

