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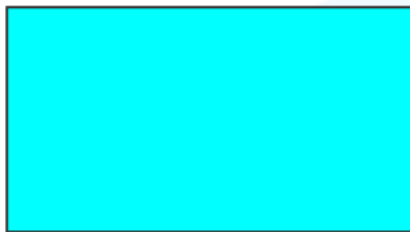
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## LINEAR EQUATION IN ONE VARIABLE WORKSHEETS

1. Solve  $7x - 11 = 2(3x + 5)$
2. Solve for  $\frac{3}{7} + \frac{x}{3} = \frac{11}{14}$ .
3. The perimeter of a rectangle is 36 and the length is 8 units. Find its area.



4. The difference between two numbers is 14, and the ratio of the numbers is 5 : 7. Find the two numbers.
5. Solve for x.  $\frac{2x}{3} + 5 = \frac{11x}{15} + 14$
6. One-third of a number is 30. What will be 30% of that number?  
(a)12                      (b)18                      (c)27                      (d)35
7. A number when divided by 5 is reduced by 28. The number is:  
(a)18                      (b)25                      (c)28                      (d)35                      (e)42



8. By how much is? One third of 87 greater than one fifth of 90?  
(a) 8                      (b) 9                      (c) 10                      (d) 11                      (e) 12

9. The sum of a two digit number and the number formed by interchanging its digits is 111. The sum of the digits of the two digit number is 11.  
(a) 92                      (b) 83                      (c) 56                      (d) 74
10. A fifth of Sam's marks in Economics is lesser than one third of his marks in French by 50. If he got 300 marks in the two subjects together, how many marks did he get in Economics?  
(a) 140                      (b) 160                      (c) 180                      (d) 200



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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."

- Barbara Cabrera

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**ANSWERS**

1)	21
2)	$15/14$
3)	100 square units
4)	35, 49
5)	-135
6)	(c) 27

7)	(d) 35
8)	(d) 11
9)	(c) 74
10)	(c) 180