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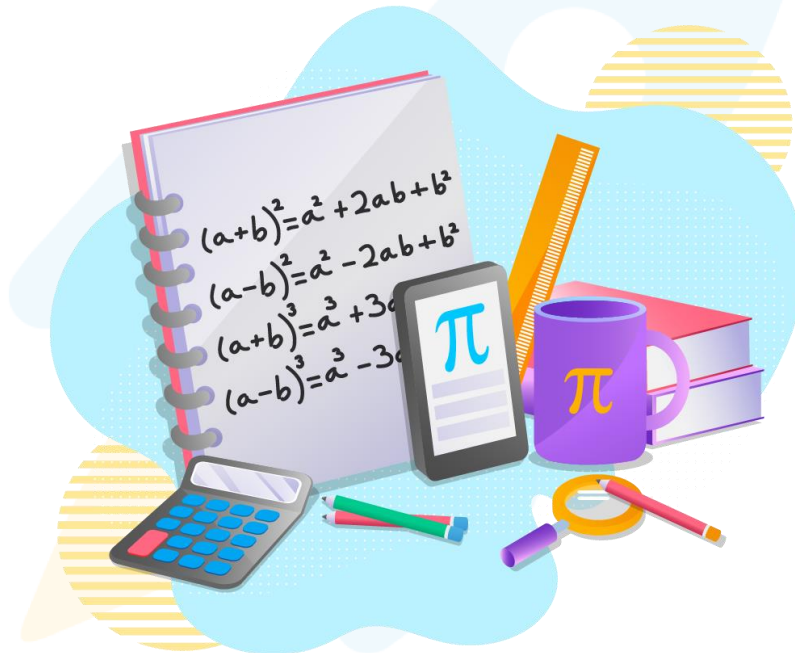
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Expressions and Equations Worksheet

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 48 and the length is 10 units. Find its area.
4. The difference between two numbers is 12, and the ratio of the numbers is 4 : 7. Find the two numbers.



5. Solve for x. $\frac{2x}{3} + 5 = \frac{11x}{15} + 14$
6. One-fourth, of one-third of two-fifth of a number is 15.
What will be 40% of that number?
(a) 120 (b) 180 (c) 270 (d) 3350 (e) 450
7. A number when divided by 4 is reduced by 21. The number is:
(a) 18 (b) 25 (c) 28 (d) 36 (e) 42
8. By how much is two third of 57 more than one third of 90?
(a) 8 (b) 38 (c) 30 (d) 28 (e) 68

9. The sum of a two digit number and the number formed by interchanging the digits is 132. If 12 is added to the number, the new number becomes 5 times the sum of the digits. Find the number.

- (a) 93 (b) 84 (c) 48 (d) 54



10. A third of Vinod's marks in mathematics exceeds a half of his marks in social studies by 30. If he got 240 marks in the two subjects together, how many marks did he get in social studies?

- (a) 40 (b) 60 (c) 80 (d) None of these

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



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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)	21
.(2)	$15/14$
.(3)	140 square units
.(4)	64, 112
.(5)	-135
.(6)	(b) 180
.(7)	(c) 28
.(8)	(a) 8
.(9)	(c) 48
.(10)	(b) 60

FUN FACT

- An easy trick to remember the order of PEMDAS is "Please Excuse My Dear Aunt Sally".
- Many mnemonics following order of operations are used along with PEMDAS worldwide, like BODMAS, BEDMAS, and BIDMAS.

