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For Grades 1 - 10



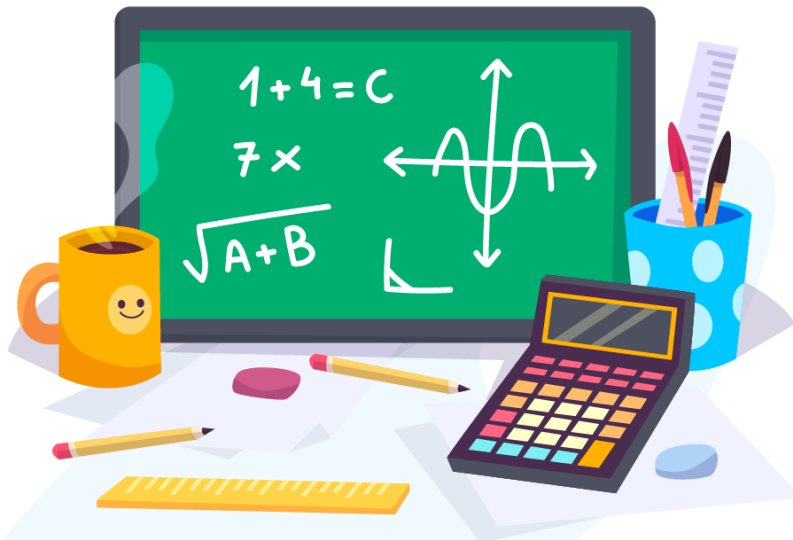
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Expressions and Equations Worksheet

1. The sum of three consecutive even numbers is 42. Find the three even numbers.
2. The number which when added to 10 times itself gives 264. Find the number.



3. The ratio of the ages of Raven and Molly is 4:3. The sum of their ages is 28 years. The ratio of their ages after 8 years will be:
(a) 4 : 3 (b) 12 : 11 (c) 7 : 4 (d) 6 : 5 (e) 2 : 1
4. Solve for x. $\frac{2x}{3} + 5 = \frac{11x}{15} + 14$
5. By how much is two-third of 57 more than one third of 90?
(a) 8 (b) 38 (c) 30 (d) 28 (e) 68
6. Find the value of x in: $7x - 11 = 2(3x + 5)$

7. 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.



8. Find the value of x in: $15x - 10 = 4(3x + 5)$
9. Solve for $5x - 8 = 4x + 15$
10. A two-digit number is 4 more than 6 times the sum of its digits. If 18 is subtracted from the number, the digits are reversed. Find the number.

**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)	12, 14, 16
.(2)	24
.(3)	d
.(4)	-135
.(5)	a
.(6)	21
.(7)	48
.(8)	10
.(9)	23
.(10)	64

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.

