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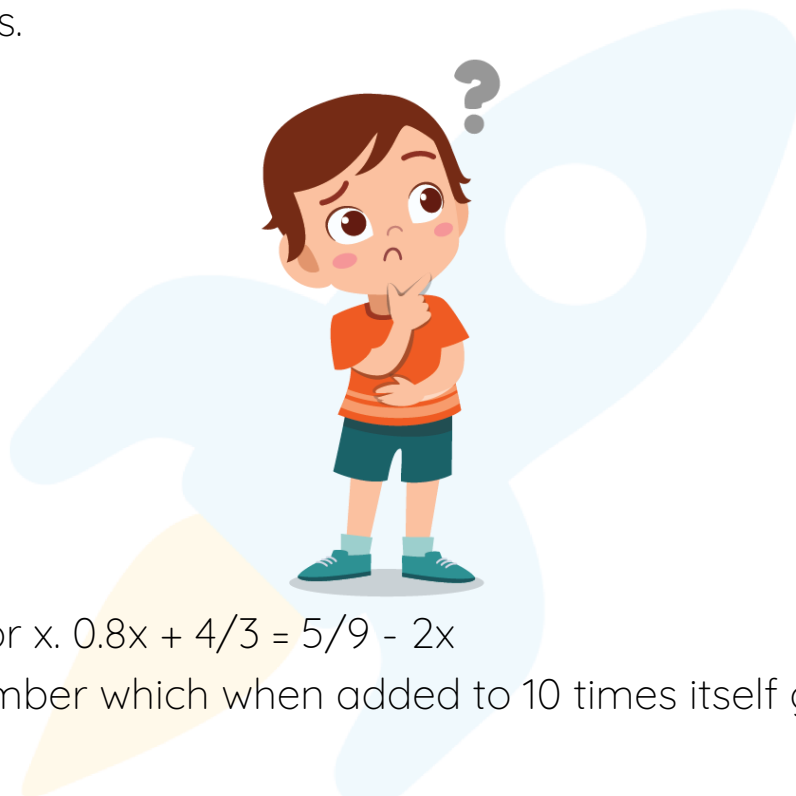
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## Expressions and Equations Worksheet

1. Solve for  $25x + 14 = 6(4x + 5)$
2. Simplify for  $15/4 - 4x = 7$
3. The sum of three consecutive even numbers is 42. Find the three even numbers.
4. John has four time five dollar notes, as much as he has one dollar notes. If he has a total of \$63, find the total number of \$5 notes.



5. Solve for  $x$ .  $0.8x + 4/3 = 5/9 - 2x$
6. The number which when added to 10 times itself gives 264, is:  
(a) 20      (b) 22      (c) 24      (d) 26      (e) 28
7. The product of two numbers is 120 and the sum of their squares is 289. The sum of the number is:  
(a) 20      (b) 23      (c) 169      (d) None of these

8. The sum of a two digit number and the number obtained by reversing the order of its digits is 121, and the two digits differ by 3. Find the number.

- (a) 85      (b) 74      (c) 96      (d) 52



9. On a sports day, if 30 children were made to stand in a column, 16 columns could be formed. If 24 children were made to stand in a column, how many columns could be formed?

- (a) 45      (b) 20      (c) 22      (d) 29

10. The ages of Ram and Mukta are in the ratio of 3:5. After 9 years, the ratio of their ages will become 3:4. The present age of Mukta (In years) is:

- (a) 9      (b) 15      (c) 18      (d) 24      (e) 25

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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)	16
.(2)	$-13/16$
.(3)	12, 14, 16
.(4)	12
.(5)	$14/45$
.(6)	24
.(7)	(c).23
.(8)	(b).74
.(9)	(b).20
.(10)	(b). 15

## 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.

