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Expressions and Equations Worksheet

1. Solve for $4x + 3 = x + 15$
2. Simplify $x/3 + 5/4 = -3/2$
3. The breadth of a rectangular field is 5 units more than its length and its perimeter is 70 units. Find its length and its breadth.



4. The sum of three consecutive multiples of 7 are 126. Find the smallest of the three multiples.
5. Solve for x . $x/2 + 5/4 = 17/8 - 3x$
6. Three-fourth of a number exceeds its one-third by 60. The number is:
(a) 108 (b) 144 (c) 184 (d) 288 (e) 100

7. Four-fifth of a certain number is 64. half of that number is:
(a) 16 (b) 32 (c) 40 (d) 80 (e) 160
8. In a two digit number, the ten's digit is three times the unit's digit. When the number is decreased by 54, the digits are reversed. Find the number.
(a) 62 (b) 39 (c) 93 (d) 31
9. 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.
(a) 86 (b) 64 (c) 28 (d) 75
10. The ratio of the ages of Meena and Meera 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



**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)	4
.(2)	$-33/4$
.(3)	15
.(4)	35
.(5)	$(1/4)$
.(6)	144
.(7)	(c).60
.(8)	(c).93
.(9)	(b).64
.(10)	(d). 6 : 5

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.

