

Linear Equations in One Variable Worksheet For Class 8

1. Solve: $(15/4) - 7x = 0$
2. Solve the equation $(x/3) + 1 = 7/15$ and verify the solution.
3. The present age of Sahil's mother is three times the present age of Sahil. After 5 years their ages will add to 66 years. Find their present ages.
4. The sum of three consecutive multiples of 11 is 363. Find these multiples.
5. Two numbers are in the ratio 3 : 5. If they differ by 18, what are the numbers?
6. The ages of Reena and Harini are in the ratio 5:7. Four years later the sum of their ages will be 56 years. What are their present ages?
7. The organisers of an essay competition decide that a winner in the competition gets a prize of Rs. 100 and a participant who does not win gets a prize of Rs. 25. The total prize money distributed is Rs. 3,000. Find the number of winners, if the total number of participants is 63.
8. Solve the equation $8x + 4 = 3(x - 1) + 7$.
9. Beena thinks of a number and subtracts $5/2$ from it. She multiplies the result by 8. The result now obtained is 3 times the same number she thought of. What is the number?
10. Solve: $(x + 1)/(2x + 3) = 3/8$