

Solving a pair of linear equations**CREATIVE QUESTIONS**

1. Romila went to a stationery shop and purchased 2 pencils and 3 erasers for ₹9. Her friend Sonali also bought 4 pencils and 6 erasers of the same kind for ₹18. Find the cost of each pencil and eraser.
2. The coach of cricket team buys 3 bats and 6 balls for ₹3900. Later, she buys another bat and 3 more balls of the same kind for ₹1300. Find the cost of each bat and ball.
3. 10 students of class X took part in a mathematics quiz. If the number of girls is 4 more than the number of boys, find the number of boys and girls who took part in the quiz.
4. Half the perimeter of a rectangular garden, whose length is 4m more than its width is 36m. Find the dimension of the garden.
5. The difference between two numbers is 26 and one number is three times the other. Find them.
6. The larger of two supplementary angles exceeds the smaller by 18 degrees. Find them.
7. The ratio of incomes of two persons is 9:7 and the ratio of their expenditures is 4:3. If each of them manages to save ₹2000 per month, find their monthly income.
8. Five years hence, the age of Jacob will be three times that of his son. Five years ago, Jacob's age was seven times that of his son. What are their present ages?
9. Five years ago, Nuri was thrice as old as Sonu. Ten years later, Nuri will be twice as old as Sonu. How old are Nuri and Sonu?
10. Meena went to a bank to withdraw ₹2000. She asked the cashier to give her ₹50 and ₹100 notes only. Meena got 25 notes in all. Find how many notes of ₹50 and ₹100 she received.
11. The sum of the digits of a two-digit number is 9. Also, nine times this number is twice the number obtained by reversing the order of the digits. Find the number.