



INDIAN SCHOOL NIZWA - WORKSHEET

MATHEMATICS

CH:2 Linear Equation In One Variable

Name: _____ Date: _____ Class: VIII Sec: ____

1. Solve $\frac{x}{2} - \frac{x}{3} = 8$.
2. Solve and verify $13(y - 4) - 3(y - 9) - 5(y + 4) = 0$.
3. Solve $\frac{a-8}{3} = \frac{a-3}{2}$
4. Solve $\frac{1}{x+1} + \frac{1}{x+2} = \frac{2}{x+10}$
5. After 12 years Priya shall be 3 times as old as I was 4 years ago. Find her present age?
6. Saurabh has ₹ 34, fifty paisa and twenty five paisa coins. If the number of 25 paisa coins be twice the number of 50 paisa coins, how many coins of each kind does he have?
7. The length of a rectangle exceeds its breadth by 4cm. If length and breadth are each increased by 3cm, the area of the new rectangle will be 81cm^2 more than that of the given rectangle. Find the length and breadth of the given rectangle.
8. A number consists of two digits whose sum is 9. If 27 is subtracted from the number, its digits are reversed. Find the number.
9. Four fifth of a number is more than three -fourth of the number by 4. Find the number.
10. The ages of Sonu and Monu are in the ratio 7:5. Ten years hence, the ratio of their ages will be 9:7. Find their present ages.
11. The numerator of a rational number is 3 less than the denominator. If the denominator is increased by 5 and the numerator by 2, we get the rational number $\frac{1}{2}$. Find the rational number.