

VIII MATHS TEST

LINEAR EQUATIONS IN ONE VARIABLE

TIME: 1 HR.

MALVIYA NAGAR

M.M. : 30

1. Solve : $10a - 28 = 6 - 7a$. 2
2. Find three consecutive numbers whose sum is 234. 2
3. The perimeter of a rectangle is 62 cm. If the length is 5 cm more than the breadth. Find length and breadth. 3
4. Solve: $\frac{2x-1}{3} - \frac{6x-2}{5} = \frac{1}{3}$ 3
5. $\frac{3t-2}{4} - \frac{2t+3}{3} = \frac{2}{3} - t$. 3
6. The length of a room is two times its width. If the perimeter of the floor of the room is 70 m, find the length and width of the room. 3
7. The ages of Hari and Harry are in the ratio 5 : 7. Four years from now the ratio of their ages will be 3 : 4. Find their present ages. 3
8. Solve for x : $x + 7 - \frac{8x}{3} = \frac{17}{6} - \frac{5x}{8}$ 3
9. The digit at the ten's place of a two digit number is three times the digit at one's place. If the sum of this number and the number formed by reversing its digits is 88, find the number. 4
10. The numerator of a fraction is 7 less than the denominator. If 3 is added to numerator and 2 is added to denominator, the value of the fraction become $\frac{2}{3}$. Find the original fraction. 4

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