BHARATH COACHING CENTRE

8th CBSE | Linear equations | Total: 40

Maths | SA – 1 | Time: 1.30hrs

Section A 5 X 1 = 5

1. The equation with degree three is _____.
2. Verify $x = 3$, for $2x + 3 = 5$ _____.
3. Solve $\frac{m-2}{3} = \frac{3m-2}{4}$ is _____.
4. Solve $5x + 9 = 7x$ _____.
5. Solve $5x = 15$ _____.

Section B 5 X 2 = 20

6. Simplify $\frac{x-5}{3} = \frac{x-3}{5} + \frac{3}{2}$
7. Simplify $\frac{3t-2}{4} - \frac{2t+3}{3} = \frac{2}{3} - t.$
8. Simplify $m - \frac{m-1}{2} = 1 - \frac{m-2}{3}$.
9. Simplify $2t - 1 = 4t + 3.$
10. Simplify $4t - 2 = 12.$

Section C 5 X 5 = 25

11. The present age of Anu and Raj are in the ratio 4:5.eight years from now the ratio of their ages will be 5:6. Find the present ages.
12. The denominators of a rational number is greater than that its numerator by 8. If the numerator is increased by 17 and the denominator is decreased by 1, the obtained is number obtained is $\frac{3}{2}$. Find the rational number.
13. The sum of three consecutive multiples of 11 is 363. Find these multiples.
14. Simplify $3(t - 3) = 5(2t + 1).$
15. Simplify $0.25(4f - 3) = 0.05(10f - 9).$

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