Bal Bharati
PUBLIC SCHOOL
RGPPL RATNAGIRI

ACADEMIC YEAR 2022-23
Grade: VIII
Subject: MATHEMATICS
CH – 2 – LINEAR EQUATIONS IN ONE VARIABLE - ASSIGNMENT -1

1. The solution of $2x - 3 = 7$ is
   (a) 2   (b) –2   (c) 5   (d) –5

2. Which of the following is not a linear equation
   (a) 2x + 5 = 1   (b) x – 1 = 0   (c) y + 1 = 0   (d) 5x + 3

3. Solve $2y + 9 = 4$
   (a) 2   (b) –2   (c) 5   (d) none of these

4. Solve : $\dfrac{x}{3} + \dfrac{5}{2} = \dfrac{-3}{2}$
   (a) 12   (b) –12   (c) 15   (d) none of these

5. Solve: $\dfrac{15}{4} - 7x = 9$
   (a) $\dfrac{3}{4}$ (b) $-\dfrac{3}{4}$ (c) 1   (d) none of these

6. Solve: $\dfrac{7x+4}{x+2} = \dfrac{-4}{3}$

7. Solve: $\dfrac{x}{2} - \dfrac{3x}{4} + \dfrac{5x}{6} = 21$

8. Solve: $x + 7 - \dfrac{8x}{3} = \dfrac{17}{6} - \dfrac{5x}{2}$

9. $5x - 2(2x - 7) = 2(3x - 1) + \dfrac{7}{2}$

10. Amina thinks of a number and subtracts 5/2 from it. She multiplies the result by 8. The final result is 3 times her original number. Find the number

11. Two years ago, Dalip was three times as old as his son and two years hence, twice his age will be equal to five times that of his son. Find their present ages. Check your solution

12. If in a rational number denominator is greater than numerator by 8. If you increase the numerator by 17 and decrease the denominator by 1, you get 3/2 as result. Find the number