Bal Bharati
PUBLIC SCHOOL
RGPPL RATNAGIRI
ACADEMIC YEAR 2022-23
Worksheet No. 1
Subject:MATHEMATICS
Grade: VII   **CH:4- SIMPLE EQUATIONS**

1. Write the statements "The sum of three times x and 11 is 32"in the form of equations:

   (a) $6x - 5$ (b) $3x + 11$ (c) $11x + 3$ (d) $3x$

2. Write the statements "One third of a number plus 5 is 8" in the form of equations:

   (a) $3m + 5 = 8$ (b) $m + 5 = 8$ (c) $\frac{1}{3}m + 5 = 8$ (d) $\frac{1}{3}m + 8 = 5$

3. Which is a solution of the equation $2x = 12$

   (a) $x = 2$ (b) $x = 3$ (c) $x = 4$ (d) $x = 6$

4. Which is a solution of the equation $3x - 14 = 4$.

   (a) $x = 2$ (b) $x = 3$ (c) $x = 4$ (d) $x = 6$

5. Find a number, such that one fourth of the number is 3 more than 7.

   (a) 40   (b) 20   (c) 30   (d) none of these

6. Solve the following equations :

   (a) $3n - 7 = 25$

   (b) $2p + 1 = 23$

   (c) $2(p - 5) = 22$

7. Solve the following equations.

   (a) $4 = 5(p - 2)$

   (b) $-4 = 5(p - 2)$

   (c) $-16 = -5(2 - p)$

8. Nine added to thrice a number a whole number gives 45. Find the number.

9. Four-fifths of a number is greater than three-fourths of the number by 4. Find the number.

10. The ages of Arun and Rahul are in the ratio 7 : 5. Ten eyars hence, the ratio of their ages will be

    9 : 7. Find their present ages.

11. In an examination, a student requires 40% of the total marks to pass. If Vandana gets 185 marks

    and fails by 15 marks, find the total marks.

12. Two-third of a number less than the original number by 10. Find the original number.