Class - VII

Chapter - 4 Simple Equations

Q-1. Write the following statements in the form of equations:

i) Ten times a is 90

ii) The number m divided by 6 gives 36

iii) If you subtract 5 from 6 times a number, you get 7

Q-2. Check whether the value given in the brackets is a solution to the given equation or not:

i) $4p - 3 = 13 \quad (p = -4)$

ii) $7n + 5 = 19 \quad (n = 2)$

Q3. Solve the following equations:

i) $5m + 7 = 17$

ii) $2p - 1 = 23$

iii) $\frac{n}{4} = 5$

iv) $10a = 100$

v) $\frac{3t}{4} = 6$

Q4. Construct 3 equations starting with $x = 5$

Q5. Solve the following equations:

i) $\frac{a}{5} + 3 = 2$

ii) $\frac{5}{2}x = \frac{25}{4}$

iii) $\frac{2m}{3} - 5 = 3$

iv) $7t + \frac{19}{2} = 13$

v) $4(2 - x) = 8$

vi) $3(n - 5) = -21$

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

viii) $4 + 5(p - 1) = 34$

Class - VII

Chapter - 4

Term 1

Date.....

Q-6 Raju's father's age is 5 years more than three times Raju's age. Find Raju's age, if his father is 44 years old.

Q.7 In an isosceles triangle, the base angles are equal. The vertex ∠ is 40°. What are the base angles of the triangle?

Q8. Find the number which when multiplied by 5 is increased by 36.

Q9. The sum of two consecutive numbers is 13. Find the numbers.

Q10. The sum of three times a number and 11 is 32. Find the number.

Q-11. Sonu says that he has 7 marbles more than five times the marbles Monu has. Sonu has 37 marbles. How many marbles does Monu have?

Q12. Write the following equations in statement forms:

i) $\frac{m}{5} = 3$

ii) $3p + 4 = 25$

iii) $p + 4 = 15$

iv) $2t = 7$