**CHAPTRE-4**

**Simple Equations**

Question1.  
 Write the following statements in the form of equations.  
 (a) The sum of four times a number and 5 gives a number five times of it.  
 (b) One-fourth of a number is 2 more than 5.  
Question2.  
 Convert the following equations in statement form:  
 (a)5x = 20  
 (b) 3y + 7 = 1

Question3.  
 If k + 7 = 10, find the value of 9k – 50.

Question4.  
 Solve the following equations and check the answers.

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Question5.  
 Solve the following equations:  
 3(y – 2) = 2(y – 1) – 3  
Question 6.  
 If 5 is added to twice a number, the result is 29. Find the number.

Question7.  
 If one-third of a number exceeds its one-fourth by 1, find the number.  
Question8.  
 The length of a rectangle is twice its breadth. If its perimeter is 60 cm, find the length and the breadth of the rectangle.

Question9.  
 Seven times a number is 12 less than thirteen times the same number. Find the number.

Question10.  
 The present age of a son is half the present age of his father. Ten years ago, the father was thrice as old as his son. What are their present ages?

Question11.  
 The sum of three consecutive multiples of 2 is 18. Find the numbers.

Question12.  
 Each of the 2 equal sides of an isosceles triangle is twice as large as the third side. If the perimeter of the triangle is 30 cm, find the length of each side of the triangle.

Question13.  
 A man travelled two-fifth of his journey by train, one-third by bus, one-fourth by car and the remaining 3 km on foot. What is the length of his total journey?

**Question14.**  
 The length of a rectangle is three times its width. It the perimeter of the rectangle is 96m, find the length and breadth of the rectangle.  
**Question15.**  
 If a number is tripled & the result is increased by 5, we get 50. Find the number.

**Question16**  Fill in the blanks :  
(a) The value of the variable which makes the equations a true statement is called the \_\_\_\_\_\_\_\_\_\_\_\_of the equation.  
(b) Any term of an equation may be taken from one side to the other with a change in its sign. This process is called\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.  
(c) An \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_is a statement of equality which contains one or more unknown variables.  
(d) Without changing the equality, we may \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_the same quantity to both side of the equation.  
**Question17**  
 If one side of a square is represented by 18x – 20 and the adjacent side is represented by 42 – 13x, find the length of the side of the square.  
**Question18** – 2(x + 3) = 10  
**Question19.** In a class of 60 students, the number of girls is one third the number of boys. Find the number of girls and boys in the class.

**CREATIVE H.W**

1. By using different geometrical shapes draw a bird and animal of your own choice.

2. Note down the runs scored by your favorite IPL Team in all the matches and arrange them in ascending order.

3. Write the run rates of the top 2 teams of IPL2021.

4. Write the match statistics of your favorite cricket player (runs, run-rate, etc.).

5. Learn tables from 2 to 20.