



**V. Answer any 10 questions.****10 x 2 = 20**

21. Add :  $30.9 + 52.73$
22. Multiply : i)  $2.57 \times 10$       ii)  $7.01 \times 100$
23. Write  $\frac{3}{5}\%$  as fraction
24. Find simple interest on 25,000 at 8% per annum for 3 years.
25. Write the following expression as the product of its factors.  $12m^2n^2p$
26. Solve :  $2x + 4 < 18$ , where x is a natural number.
27. Simplify  $(x + 3)(x + 5)$  using Identity.
28. Find value of  $51^2$
29. Define - Translation
30. Find median of 25, 16, 15, 10, 8, 30
31. Find mode for the given data. 2, 5, 5, 1, 3, 2, 2, 1, 3, 5, 3
32. The mean of 9 observations is 24. Find the sum of the 9 observations.
33. What are the types of flowchart?

**VI. Answer any 5 questions.****5 x 3 = 15**

34. Find the area of parallelogram whose base is 6.8 cm and height 3.5 cm.
35. There are 560 students in a school. Out of 560 students 320 are boys. Find the percentage of girls in that school.
36. Kumaravel has paid simple interest on a certain sum for 2 years at 10% per annum is 750. Find the sum.
37. Factorise :  $4x^2 - 4xy + y^2$
38. If the mean of the following numbers is 38. Find value of x.  
48, x, 37, 38, 36, 27, 35, 34, 38, 49, 33
39. i) The chord which passes through the centre of the circle is called ..... of the circle.  
ii) ..... is equal to two times of the radius.
40. Find the mean and mode of 6, 11, 13, 12, 4, 2.

**VII. Answer any one of the following.****1 x 5 = 5**

41. a) Draw a circle of diameter 6 cm.      (OR)
- b) Draw concentric circles and find the width of circular ring.

$$r_1 = 3 \text{ cm}, r_2 = 5 \text{ cm}$$