DR. M.K.K. ARYA MODEL SCHOOL

CLASS: - VII

SUBJECT: - MATHEMATICS

REVISION ASSIGNMENT

1. Arrange the following integers in descending order: -6, -11, 12, -32, -23, 14, 0, 32, 16, -19, -18
2. Add the integers: (i) 400, -31, -17
    (ii) -613, -421, 700
3. Subtract the first integer from the second: (i) -3, 6   (ii) -27, -54
4. Find the value of : (i) -37-(-15)-2   (ii) 16-[14-(-2)-(-6)]
5. In a Quiz, positive marks are given for correct answer and negative marks are given for incorrect answers. If Rashi's score in six rounds were 30,-10,-12, -5, -15, 20. What was her score at the end?
6. The temperature of a certain place fell by $2°C$ each day for a week. What is the change of temperature over the whole week?
7. The product of two numbers is -180. If one of the numbers is 12, find the other number.
8. Add $2\frac{1}{3} + 1\frac{1}{2}$
9. Solve $\frac{1}{2} - \frac{1}{4} + \frac{5}{8}$
10. Solve $\frac{3}{7} + \frac{1}{21} - \frac{1}{14}$
11. Find the value of $4 \times 6\frac{1}{3}$
12. Find $\frac{3}{4}\ of\ 36$
13. Multiply $\frac{2}{3} \times \frac{15}{24}$
14. Find the value of $\frac{5}{8} \times 1\frac{1}{2}$
15. Find $3\frac{1}{2} \div 4$
16. Find the value of $\frac{2}{5} \div \frac{1}{2}$
17. Arrange in ascending order $\frac{2}{9}, \frac{2}{3}, \frac{8}{21}$
18. Rahul purchased $3\frac{1}{2}kg$ apples and $4\frac{3}{4}kg$ oranges. What is the total weight of fruits purchased by him?
19. Sonu finished colouring a picture in $\frac{2}{7}\ hour$. Rohan finished colouring picture in $\frac{4}{5}\ hour$. Who worked longer? By what fraction was it longer?
20. If 6 people equally share a bill of Rs.98.10, how many should each pay?

21. Sonali and Ravi went for a picnic. Their father gave them a water bottle that contained 7 litres of water. Sonali consumed $\frac{3}{7}$ of the water. Ravi consumed the remaining water.

    (a) How much water did Sonali drink?
    (b) What fraction of total quantity of water did Ravi drink?

22. Find the mean of each of the following set of numbers:

    a)   First 7 natural numbers   c)   First 7 whole numbers
    b)   First 5 prime numbers   d)   ₹7, ₹19, ₹31, ₹43, ₹70

23. Find the mean of first ten odd numbers.

24. If the mean of x, x+2, x+4, x+6, x+8, is 24, find x.

25. Find the median of the numbers 85, 86, 78, 89 and 64.

26. Find the mode of following set of data: 29, 29, 10, 10, 3, 3, 14, 10, 2, 3

27. Find the mode and the mean of the following set showing numbers of hours of operating life of 25 flashlight batteries:
    20, 21, 19, 22, 18, 23, 25, 22, 23, 20, 23, 20, 22, 21, 24, 21, 22, 23, 19, 21, 21, 22, 22, 24, 26, 22.

28. The table shows Arun and Sanjay's test scores. The tests were marked out of 20.

	English	Maths	Science	History	Geography	Hindi	Art
Arun	20	7	12	14	16	18	11
Sanjay	17	13	18	9	19	10	8

    Draw a dual bar chart to compare their results.

29. A jar contains 3 white, 4 blue, 5 red and 2 green marbles. If a marble is drawn at random from the jar, what is the probability that the marble is(a) white (b) red   (c) blue (d) green (e) not white (f) not red

30. A fair dice is rolled. Find the probability of obtaining   (i) a 5 (ii) an even number (iii) a prime number (iv) a 1 or a 2

31. A letter is chosen at random from the word 'ESTIMATE'. Find the probability that it will be (i) an E   (ii) an S   (iii) a T   (iv) a letter other than A

32. Find the mode and median of the given set of data: 1, 2, 2, 3, 4, 2, 3, 3, 4, 3, 1.

33. Write the following statements in the form of an equation.

    (i) 11 added to a number gives 20.

    (ii) 8 subtracted from twice a number is 7.

    (iii) One-fourth of y is 9.

    (iv) 5 added to two- third of a number is 6.

34. From the given equations write the corresponding statements.
    (i) $x - 7 = 10$ (ii) $3p = 30$ (iii) $2n + 5 = 15$ (iv) $\frac{x}{3} - 4 = 8$

35. Solve $8x - 6 = 7x - 2$

36. The sum of twice a number and 25 is 45. Find the number.

37. I think of a number, multiply it by 4 and add 7. The answer is 55. Find the number.

38. One fifth of a number is 15. Find the number.
39. 7 times a number decreased by 3 equal 18. Find the number?
40. Calculate the value of x :

41. Find the value of x

42. Find the value of a ,b ,c and d in the figure :

43. One of the acute angles of a right triangle is63°. Find the other acute angle.
44. Your garden is in the shape of rectangle that measures 24m by 32m. You want to put a diagonal walk from corner to corner across the garden. What will be the length of the walk?
45. Express 4 days: 2 weeks in the simplest form.
46. There are 2500 students in a school. Out of them 1100 are girls and the rest are boys. Find the ratio of
    (i)   Number of boys to number of girls.
    (ii)   Number of girls to number of students.
    (iii)   Number of students to number of boys
47. Find the value of $7\frac{1}{2}$ % of ₹ 56.
48. In which subject did Rajeev obtain the highest percentage?
    Maths: 325 out of 500   English: 240 out of 400
    Geography: 84 out of 150   Science: 132 out of 200
49. The cost price of an article is ₹ 6250. Sudhir sells it at a loss of 24 %. Find its selling price.
50. A man bought an article for ₹ 25 and sold it for ₹ 40. Find the profit or loss per cent.