Dr. M.K.K. ARYA MODEL SCHOOL
CLASS – VI
SUBJECT: MATHEMATICS
HOLIDAYS HOMEWORK

Note: solve Assignment in separate notebook.

Assignment

1) Find the greatest and smallest numbers.
   (a) 4536,4789,4370,4452
   (b) 25345,25678,25270,25210
2) Use the given digit without repetition and make the greatest and smallest 4 digit numbers.
   (a) 2 ,1 ,5 ,6 b) 7, 8, 0,9
3) Arrange the following numbers in ascending order:
   (a) 6234, 6324, 6432 ,632 b) 90403, 90304, 90406, 90046
4) Arrange the following numbers in descending order:
   (a) 31586, 35816, 3581 ,36819 b) 29435, 43592, 29463, 54396
5) Write all the factors of following numbers:
   i) 40 ii) 64
6) Write first five multiples of following numbers:
   i) 18 ii) 31
7) If the product of two whole numbers is zero, can we say that one or both of them will be zero? Justify through examples.
8) Write in expanded form: (a) 5234 (b) 950678
9) Write all the prime and composite numbers less than 50.
10) Express each of the following numbers as sum of twin primes:
    i) 24 ii) 8
11) Write in Indian system and in international System:
    (a) 123456 b) 9825486 c) 60900786
12) Write the following numbers in figure:-
    i) Seven Lakh three thousand four hundred twenty
    ii) Eighty core twenty-three lakh fifty one thousand three hundred one
13) Round off the given numbers to the nearest tens, hundreds and thousands.
    (a) 45678 b) 75452
14) Write the following numbers in Roman numerical:
    50,69,98,76,49
15) Using divisibility rules, determine which of the following numbers are divisible by 11.
    i) 96010837 ii) 10000001
16) Test the divisibility of the following numbers by 3.
    i) 6732 ii) 8345
17) Write in Hindu Arabic System:
    XC,LXXXIX,XXXIV,XLVII,LXVI
18) The Mass of each gas cylinder is 21 kg 270 gm. What is total mass of 28 such cylinders?
19) A factory produces 3855 garments per day. How many garments will it produce in 365 days?
20) Make the greatest and the smallest 4-digit numbers by using the digits 4,7,5 and repeating any one digit twice.
21) Find the common factors of 15,45 and 100.
22) Find the first two common multiples of 3,4 and 8.
23) Write the smallest 6-digit number using only one digit.
24) Make the greatest and smallest 5-digit numbers using the given digits and repeating any one digit.

i) 8,1,9,2 ii) 5,8,3,7

25) Find the difference between the greatest and the smallest number that can be written using the digits 4,9,8,7,5 each only once.

26) The sum of two numbers is 26350130.If one of them is 19476583, find the other.

27) Test the divisibility of 438750 by 6.

28) Estimate the difference (47029-39385) to nearest thousand.

29) Estimate the sum (463+183) to nearest thousand.

30) Test the divisibility of 693812 by 9.

31) Estimate the product of 263 and 758 by rounding off each number to the nearest hundred.

32) Which is the smallest whole number.

33) Write the successor and predecessor of 208090.

34) Write the next three natural numbers after 10999.

35) Find the sum by suitable rearrangement. 837 + 208 + 363

36) Find the value of 297 x 17 + 297 x 3

37) Find the product by suitable rearrangement 2x1768x50

38) Find using distributive property 728x101

39) Which of the following will not represent zero

(a) 1+0 (b) 0x0 (c) $\frac{0}{2}$ (d) $\frac{10-10}{2}$

40) Find the product of 258x1008 using distributive property.

41) Add the numbers 237, 197, 103

42) A taxi driver filled his car Petrol tank with 40 litres of Petrol on Monday. The next day he filled the tank with 50 litres of Petrol. If the Petrol costs Rs. 44 per litre, how much did he spend in all on Petrol?

43) Write the greatest 5-digit number using two different digit.

44)Value of 300*4*7*0*12.

45) Multiply 15,8,40,225 by suitable arrangement.

46) Write the prime factorization of the smallest 4-digit number.

47) The students of class VI of a school collected Rs.3,37,875 for prime minister's relief fund.If each child contributed Rs255, how many children are there in school.

48) Calculate the difference between greatest five-digit number and the greatest five-digit number with all different digits.

49) Find the HCF of 72,120 and 192.

50) Use the number line and add -10+4.

51) Find the LCM of 18,36,60,72.

52) Find the value of (45/45)x819.

53) Using Prime factorization method find the HCF of 6,10,11,14.

54) 9*8071 is divisible by 11,then find the value of the missing digit.

55) Find 972x8+972x2 by using Properties.

56) In a walking competition three person step off together. Their steps measure 85 cm,90 cm and 80 cm respectively.At what distance from the starting Point will they again step off together?

57) Find the largest number that will divide 623,729 and 841 leaving remainders 3,9 and 1 respectively.

58) Three different tankers contain 496 litres,403 litres and 713 litres of milk.Find the maximum capacity of a container that can measure the milk of any tanker on exact of times.

59) In a sum the divisor is 173, the quotient is 2544 and the remainder is 60. What is the dividend?

60) A shopkeeper had Rs.12,00,000 with him.He placed an order for 55 air conditioners at Rs.20825 each.What will be the amount left with him after the purchase?

Activity: Do activity 1 to 4 in practical file from your Lab manual

Project work: Do all the project work on chart paper

Roll no. 1 to 9: Draw the Indian place value chart and also show the population of five states in that chart.

Roll no. 10 to 18: Represent addition, subtraction and multiplication of whole numbers on number line.

Roll no.: 19 to 27: Draw the International place value chart and also show the population of five states in that chart

Roll no.: 28 to 36: Write all divisibility rules on chart.

Roll no. 37 to 46:Write all properties of whole numbers.