Assignment – 1
Topic: Knowing our numbers

1. Arrange the following numbers in the descending order: 3763214, 18340217, 984671, 3709423, and 18431056

2. Express each of the following numbers as Roman numerals:
   (i) 198 (ii) 479 (iii) 596 (iv) 137

3. Write each of the following in Hindu-Arabic numerals:
   (i) XCIX (ii) CCXXVI (iii) CDXLVI (iv) CLXVI

4. Arrange the following in ascending order:
   8801472, 9020142, 101433, 9619232, 51652

5. Estimate the quotient 475 ÷ 71.

6. Estimate 6552 − 547 by rounding off the numbers to their greatest places.

7. Write all 3-digit numbers using 1, 3, and 8 only once.

8. A cabinet maker needs 72m long board for making one cabinet. How many cabinets can he make by using 17496m long board?

9. Amitabh is 1m 78cm tall. His wife is 23cm shorter than him. Find his wife's height.

10. In a town, there are 5,106 men, 3,982 women and 2,016 children. Find the estimated population of the town by rounding off the numbers to the nearest hundred.

Assignment: 2
Simplification

1. Simplify: $752 - 574 + 222$

2. Simplify: $6 \times 4 \times 2 - 5 \times 3$

3. Simplify: $36 \div 2$ of $3 + 6 \times 2$

4. Simplify: $42 \div 6 \times 2 + \frac{1}{7}$ of 35×2

5. Simplify: $15 - [10 + \{ 8 \div 4 - 2 (6 \div 3) + 3 \}]$

6. $15 \div 3 \times 2 + 4 \times 20 \div 2$ of 5

7. $20 - \{6 + 4 - (6 - 13 - \overline{3 - 5})\}$

8. $85 - 20 \div 4 \times 8$

9. $8 + 4 \div 2 \times 5 = ?$

   (a)30 (b) 50 (c) 18 (d) none

10. $13 - (12 - 6 \div 3) = ?$

    (a) 11 (b) 3 (c) $\frac{7}{3}$ (d) none

11. $32 - [48 \div \{36 - (27 - \overline{16 - 9})\}]$

    (a) 29 (b) $\frac{520}{17}$ (c) none

12. $8 - [28 \div \{34 - (36 - 18 \div 9 \times 8)\}]$

    (a) 6 (b) $6\ \frac{4}{9}$ (c) none

13. $100 \times 10 - 100 + 2000 \div 100 = ?$

    (a) 29 (b) 920 (c) none

14. $133 + 28 \div 7 - 8 \times 2 = ?$

    (a) 7 (b) 121 (c) 30

15. $1001 \div 11$ of $13 = ?$

    (a) 7 (b) 1183 (c) 847

Assignment -3
Topic – HCF and LCM

1. Which of the following is a composite number?

   (a) 23 (b) 29 (c) 32 (d) none of these

2. a and b are co-primes, then their LCM is

   (a) 1 (b) $\frac{a}{b}$ (c) ab (d) none of these

3. The prime factors of 135 are _____

   (a) 3,3,1 and 5 (b) 3,5 and 9 (c) 3 and 5 (d) none of these

4. The HCF of 25 and 135 is _____.

   (a) 3 (b) 5 (c) 9 (d) none

5. The product of two numbers is 15870 and their HCF is 23. Find their LCM.

6. Three children of a family start for their school together. Their steps measure 20cm, 24cm and 30cm respectively. After covering how much distance from their starting point will they step off together?

7. Four bells ring at intervals of 6, 8, 12 and 20 minutes. They ring simultaneously at 7am. At what time will they ring together?

8. 46a7b2 is a number of 6 digits in which a and b are two digits. This number is divisible by 9 Find the least value of a + b. Also state the maximum value of a + b.

9. There are 150 students waiting for a boat to cross the river. The students have to be divided into equal groups to get into different boats. In how many ways can you group the students such that each group has more than 5 students and less than 50 students.

10. The HCF of two numbers 847 and 1650 is 11. Find the LCM.

11. The length, breadth and height of room are 783cm, 513 cm and 405cm respectively. Find the length of the longest tape which can measure the dimensions of the room exactly.

12. 9 is a factor of 45. 9 is also a factor of 63. Show that it is also a factor of (63 + 45) as well as (63-45).

13. Determine 2 integers nearest to 10000 which are exactly divisible by 3,4,5 & 6.

Assignment – 4
Topic: Whole number

1. State which property does the following represents?

   (a) 50 + (28 +140)=(50 + 28) + 140

   (b) a x b=b x a

   (c) b x(2 + 7)=(6x 2) + (6 x 7)

   (d) 25+0=25=0+25

2. Fill in the blanks:-

   (a) _____x1=27

   (b) 67+_____=67

   (c) (5x6) + (5x4)=_____x(6+4)

   (d) (9+120) + 10=_____+ (120 + 10)

   (e) 6x7=7x_____

3. Simplify: - 272 x 42 + 272 x 50 + 272 x 8 and name the property applied on it.

4. In a town 1 out of 27 people owns a car, if the total population of the town is 49626. How many people have cars?

5. There are 650 students in a school. If 25 students stand in each row during the assembly time, then find the number of rows.

6. There are 10 bowls. In each bowls 12 candies are placed. If 3 candies are taken away from each bowl, how many candies are left in bowls?

7. A ship is loaded with 45000 tones of cargo. On reaching the first port, it unload 6125 tones and after second port it unload 22340 tones. How many tones of cargo is left?

8. Fill ups:-

   (a) On number line 750 lie on _____ side of 705.

   (b) The predecessor of 1 is the smallest _____ number.

   (c) Whole numbers are not closed under _____ and _____.

   (d) _____ is called additive identity for whole numbers.

   (e) Multiplicative identity for whole number is _____.

   (f) The whole number which is not used as a divisor is _____.

   (g) Is there any natural number which when added to itself gives that number?

   _____.