**KNOWING OUR NUMBERS**

**CLASS - VII**

**GIST OF LESSONS:**

* ***COMPARING NUMBERS*** ***:*** How do we compare numbers 3421 and 2315?

This is not difficult! These two numbers have same number of digits. They are both in thousands. But the digit at thousand place in 3421 is greater than that in 2315. Therefore, 3421 is greater than 2315.

In the same way try these :

1. 8765 and 3452 (ii) 3256 and 8765

* ***ESTIMATION OF NUMBERS :*** Out of 16 and 19 which is closer to 20 ? you can identify very easily! Now consider 23, which lies between 20 and 30. However 23 is closer to 20 than to 30. So we round off 23 to 20, correct to the nearest tens.

How would you round off 77 to the nearest tens? Is it not 80?

**Similarly in the case of hundreds and thousands.**

Check if the following rounding off is correct or not :

1. 224 is nearest to 200.
2. 4678 is nearest to 5000
* ***ROMAN NUMBERS :*** What kind of numbers are shown in some clocks, classes in time table?

The roman numerals from 1 to 10 are written as:

1 – I 6 – VI

2 – II 7 – VII

3 – III 8 – VIII

4 – IV 9 – IX

1. – V 10 – X

20 – XX 50 – L

100 – C 500 – D

* ***USE OF BRACKETS :*** Rahul bought 3 pen from market and the cost of pen was Rs. 5 each. His sister bought 8 pen for Rs. 5 each. The money spent by them is found as

Sum of 3 \* 5 = 15 Rs. And 8 \* 5 = 40 Rs. Total money is 40 + 15 = 55 Rs.

And the other way to solve the same problem using brackets is : (3 + 8 ) \* 5 = 55 Rs.

**LEVEL 1**

Q1: Insert commas suitably and write the names in Indian System of Numeration:

1. 2657871 (ii) 9745632

Q2: insert commas and write the names in International System of Numeration:

1. 48244413 (ii) 2784909

Q3: Arrange the following numbers in ascending form :

1. 231, 675, 354, 199 (b) 356, 985, 378, 1200

Q4: Estimate to nearest hundreds:

1. 369 (ii) 732 (iii) 129

Q5: Estimate to nearest thousands:

1. 5689 (ii) 9123 (iii) 5623

Q6: Write in roman numerals

1. 32 (ii) 150

Q7: In Roman Numerals, D stands for \_\_\_\_\_\_\_\_\_\_\_\_

Q8: Write the greatest and the smallest number using the digits 6, 2, 3, 7.

**LEVEL - 2**

Q1 : Sohan went to buy an almirah. There are five almirahs available with their price tags. Arrange their prices in increasing order.

 ₹ 5430 , ₹ 2145, ₹ 5559, ₹ 3987, ₹ 3599.

Q2: Write the numerals and place commas correctly :

1. Twenty six million three hundred forty three thousand nine hundred five.
2. Fifty four lakh six hundred three.

Q3: Aman got 1200 Rs. from his father. He purchased a vedio game of Rs. 785. How much money is left with him?

Q4: Ask your parents the distance of your school from your home. Then calculate how much distance do you cover when you come to school and go back.

Q5: Estimate (By rounding off to nearest hundreds) :

1. 3420 + 6823 (ii) 5634 – 298

Q6: Estimate (By rounding off to nearest thousands) :

1. 5647 – 3879 (ii) 2134 + 3287

Q7: Estimate the product:

1. 16 × 312 (ii) 23 × 198

Q8: Write in roman numerals

1. 32 (ii) 90

**LEVEL - 3**

Q1: Find the difference between the greatest and least number that can be written using the digits 6, 3, 7, 2, 9 each only once.

Q2: A student multiplied 6245 by 65 instead of multiplying by 56. By how much was his answer greater than the correct answer?

Q3: Estimate 5483 to nearest tens, hundreds and thousands.

Q4: A vessel has 3 litres and 500 ml of milk. In how many glasses, each of 25 ml capacity, can it be filled?

Q5: Take two digits, 0 and 1. Make the smallest 4 digit number using both the digits equal number of times

Q6: Solve using brackets :

1. 6 × 102 (ii) 12 × 109

**WORKSHEET**

Q1: Seema types 25 pages per day. How many pages will she type in the month of November?

Q2: Find the difference between the greatest 4 – digit and the smallest 5 – digit number.

Q3: Estimate :

1. 435 + 1249 (ii) 6548 – 4590

Q4: Estimate the product : 23 × 388

Q5: Solve using brackets :

1. 8 × 105 (ii) 11 × 109

Q6: Write in roman numerals

1. 23 (ii) 45