COMPARING NUMBERS:

To compare numbers we should take care of the following rules:

1. The numbers with less number of digits is less than the number with more numbers of digits.

   Example 1 :- 18,54,109 > 66,309

2. To compare numbers with same number of digits, Start from the left place. Compare the digits in the greatest place. If these digits are same, compare the next digits. Do this until the digits are not the same.

   Example 2 :- 6,58,32,496 and 6,58,32,714

   Let us compare :-

   65832496   same   65832714

   65832496   (4 and 7 are not same)   65832714

   So, 6,58,32,496 < 6,58,32,714

ROMAN NUMERALS:

We are familiar with large numbers up to crores. They are made using the digits **0 , 1 , 2 , 3 , 4 , 5 , 6 , 7 , 8 and 9 .**These ten digits help us to write as many numbers as possible. They are known as **Hindu Arabic Numbers.**

Numbers like **I , II , III , IV , V , ...** are called **Roman numerals.** There are seven symbols in **Roman Numeration System.** They are **I , V , X , L , C , D and M.**

Let us study Roman Numbers and their values:

Hindu Arabic Number	Roman Numerals	Hindu Arabic Numbers	Roman Numerals	Hindu Arabic Numbers	Roman Numerals
1	I	15	XV	65	LXV
2	II	20	XX	70	LXX
3	III	25	XXV	75	LXX
4	IV	30	XXX	80	LXXX
5	V	35	XXXV	85	LXXXV
6	VI	40	XL	90	XC
7	VII	45	XLV	95	XCV
8	VIII	50	L	100	C
9	IX	55	LV	500	D
10	X	60	LX	1000	M

Rules to find the value of a Roman Numeral:-

Example 3 :- Add if the numeral is repeated.

   Solution :- 1) XX = 10 + 10 = 20   2) DDD = 500 + 500 + 500 = 1500

Example 4 :- Add if the numeral with a smaller value comes after a numeral with a larger value.

   Solution :- 1) XV = 10 + 5 = 15   2) DCX = 500 + 100 + 10 = 610

Example 5 :- Subtract if a numeral with a smaller value comes before a numeral with a larger value.

   Solution :- 1) XL = 50 - 10 = 40   2) CM = 1000 – 100 = 900

TRY THESE QUESTIONS

Q.1 Arrange the following numbers in ascending order.

   1. 6,32,894 ;   6,83,294 ;   6,23,849 ;   6,82,394

   2. 9,65,063 ;   8,92,036 ;   8,32,960 ;   869,302

   3. 87,56,726 ; 8,55,77,624 ; 8,56,67,723 ; 86,75,722

Q.2 Arrange the following numbers in descending order:

   1. 84,26,145 ;   55,75,544 ;   99,81,743 ;   85,61,242

   2. 54,72,395 ;   54,32,794 ;   54,37,293 ;   54,32,792

   3. 76,49,866 ;   78,96,467 ;   79,84,668 ;   74,68,969

Q.3 Write the Hindu Arabic numeral for the following Roman numeral:

   1. XXX   2. DCCX   3. LV   4. XCV

   5. LV   6. XXXV   7. VIII   8. LXX

Q.4 Write the Roman numeral for the following Hindu Arabic numerals:

   1. 18   2. 60   3. 52   4. 31

   5. 96   6. 14   7. 54   8. 72