NAME: **DATE: 16/04/2020**

<u>**TOPIC: Knowing our number**</u>

Please follow the link:

https://www.youtube.com/watch?v=t1riO1YZYwo

https://www.youtube.com/watch?v=zNzXyoc88Ks

https://www.youtube.com/watch?v=c7DbWO01y18&t=158s

CONCEPT: Representation of Hindu Arabic Numerals in Roman Numerals:

The symbol of Roman Numerals and their values are:

Value	I	V	X	L	C	D	M
	1	5	10	50	100	500	1000

Romans used different combinations of symbols to write numbers using adding and subtraction.

For example:

1. Write the Roman numerals for the following numbers:

(i) 13 = **XIII**

(ii) 14 = **XIV**

(iii) 18 = **XVIII**

(iv) 26 = **XXVI**

(v) 39 = **XXXIX**

(vi) 42 = **XXXXII**

(vii) 61 = **LXI**

(viii) 545 = **DXLV**

(ix) 217 = **CCXVII**

The procedure of estimating sum and difference are in the following examples.

Example 1:

Estimate the sum 5290 + 17986 by estimating the numbers to their nearest (i) hundreds (ii) thousands.

Solution:

(i) Estimating the numbers 5290 and 17986 to their nearest hundreds, we get 5300 and 18000 respectively.

We have,
```
   5300
+18000
───────
  23300
```

Therefore, estimated sum is 23300.

Example 3:

Give a rough estimate and also a closer estimate of 489342 – 48365.

Solution:

We have,

489342 – 48365 = 440877

To find rough estimate, let us round off each number to nearest ten thousands.

489342 rounds off as 490000

48365 rounds off as 50000

Estimates difference = 490000 – 50000 = 440000

So, rough estimate = 440000

In order to obtain a closer estimate, let us round off each number to nearest thousands.

489342 rounds off as 489000

48365 rounds off as 48000

Estimated difference = 489000 – 48000 = 441000

clearly, it is closer to the actual difference 440977Hence, closer estimate is 441000

EXERCISE: Do the given question in your notebook.

Q1. Write the largest and smallest number by using the digits 2,4,0,3,6,9.

Q2. In which of the following two numbers the place value of 5 is greater and by how much in 8, 45, 32,610 and 2, 50, 97,187.

Q3. Express each of the following as Roman Numerals-
(i) 457   (ii) 951   (iii) 569

(iv) 769   (v) 627   (vi) 236

Q4. Write each of the following as a Hindu Arabic Numerals-

(i) CDXLVI   (ii) CDXIV   (iii) CCXXVI

(iv) CCCLXXXIX   (v) DCCLXVI   (vi) DCCCLXV

Q5. Estimate the following sum to the nearest 100-

(i) 274 + 143   (ii) 5134+1410

(iii) 3280 + 4395   (iv) 10083 + 29380

Q6. Estimate the following sum to the nearest 1000-

(i) 35863 - 27677   (ii) 87567 - 39995

(iii) 77005 - 39488   (iv) 98376 – 23945.