Class -VI

Sub: MathematicsDate- 22-04-2020

Ch-1 Numbers

Exercise 1.1

1.i) 721 or 2624

Since 721 has 3-digits and 2624 has 4-digits

Therefore, 2624 is the larger number.

v) 3375 or 3357

Here, 7>5 at tens place

Therefore, 3375 is the larger number.

2.i) 1173 or 89

Since 1173 has 4-digits and 89 has 2-digits

Therefore 89 is the smaller number.

v) 466 or 452

Here, 5< 6 at tens place

Therefore 452 is the smaller number.

3.i) Here, 3<9 at tens place

Therefore 31039<31093

ii) Since 7314 has 4-digits and 31417 has 5-digits

Therefore, 7314<31417

ix) Since 8>7 at ten thousands place

Therefore 87888>78888

5. iv) 7777, 77770, 70007, 7007, 77000

Ascending order means arrangement of numbers from smallest to the largest.

Therefore 7007<7777<70007<77000<77770 is the correct order.

6. vi) 9999, 99999,10000,99000,28909

Descending order means arrangement of numbers from largest to smallest.

Therefore 99999>99000>28909>10000>9999 is the correct order.

7. iii) Largest number- 25286

Smallest number- 25210

8. i) Number after exchanging 3 and 7 – 7836

Now, comparing 7836 and 3876,

Since 7>3 in the thousands place,

Therefore 7836 > 3876

iv) Number after exchanging 3 and 7 – 9371

Now, comparing9371 and 9731,

Since 3<7 in the hundreds place,

Therefore 9371 < 9731

Ex- 1.2

1.(a) 1 lakh = 10 ten thousand

(b) 1 million = 10 hundred thousand

2. i) 37,999

viii) 99,105,666

3. Inserting commas according to Indian Numeration System and also writing the number names.

iv) 1,87,65,241 – One crore, eighty seven lakh, sixty five thousand, two hundred forty-one.

viii) 7,75,56,688 – Seven crore, seventy five lakh, fifty six thousand, six hundred eighty-eight.

4. Inserting commas according to International Numeration System and also writing the number names.

i) 78,921,023- Seventy eight million, nine hundred twenty one thousand, twenty three.

iv) 100,100,100- One hundred million, one hundred thousand, one hundred.

5. 343876792

It is Thirty four crore, thirty eight lakh, seventy six thousand, seven hundred ninety- two.

The expanded form is

343876792=(3*100000000)+(4*10000000)+(3*1000000)+(8*100000)+(7*10000)+(6*1000)+(7*100)+(9*10)+(2*1)

7. The largest 8-digit number- 99999999

The smallest 8-digit number- 10000000

Therefore, total number of 8-digit numbers = (99999999-10000000)+1= 89999999+1=90000000

10. ii) 88932429

Place value of 9 at lakhs place = 9 * 100000 = 900000

Place value of 9 at ones place = 9*1 = 9

Therefore required difference = 900000-9 = 899991

11. The five 6-digit numbers using 4,5,6,0,7,8 are:

4,56,078 ; 5,46,078 ; 6,07,854 ; 7,86,054 ; 8,45,760

Note- There can be various answers for this particular question. Also, no number will begin with 0, as it will become a 5-digit number, since 0 at the beginning of a number has no value.

Home Assignment:

Note down the above work neatly in your notebooks. Notebooks will be corrected once the school reopens.

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