

Girls' High School And College, Prayagraj

Worksheet no. 4

Session 2020 - 2021

Class 4A - F

Subject - Maths

Chapter - Numbers

Instructions for the parents :-

Parents are expected to ensure that the child understands, learns and is able to do the exercises followed by the explanation. Parents should also see to it that the child keeps on revising the previous topics.

Successor and Predecessor

Successor :- The number that comes just after a number is called its successor.

\* We can get the successor of a number by adding 1 to it.

For example:-  $74541 + 1 = 74542$

$85614 + 1 = 85615$

$35265 + 1 = 35266$

Predecessor :- The number that comes just before a number is called its predecessor.

\*We can get the predecessor of a number by subtracting 1 from it.

For example:-  $34689 - 1 = 34688$

$93334 - 1 = 93333$

$65897 - 1 = 65896$

Skip counting :- In skip counting we start with a given number and write more numbers with a fixed gap between the successive numbers.

For example :-

Counting by 2's:- Gap of two between every two successive numbers.

Counting by 10's:- Gap of 10 between every two successive numbers .

Counting by 100's:-Gap of hundreds between every two successive numbers.

Example 1 :- Counting by fours write four numerals from 60,285

Solution :-  $60,285 + 4 = 60,289$  ;  $60,289 + 4 = 60,293$  ;  $60,293 + 4 = 60,297$  ;  $60,297 + 4 = 60,301$

The numerals are :-  $60,289$  ;  $60,293$  ;  $60,297$  ;  $60,301$ .

Example 2 :- Counting by two hundreds write four numerals from 6,71,147

Solution :- The numerals are :-  $6,71,147 + 200 = 6,71,347$  ;  $6,71,347 + 200 = 6,71,547$  ;  $6,71,547 + 200 = 6,71,747$  ;  $6,71,747 + 200 = 6,71,947$ .

#### Exercise :- 1

Q:-1 Write the predecessor of each of the following -

- a) 70513  
Ans \_\_\_\_\_
- b) 988345  
Ans \_\_\_\_\_
- c) 456890  
Ans \_\_\_\_\_
- d) 900584  
Ans \_\_\_\_\_
- e) 321549  
Ans \_\_\_\_\_

Q:- 2 Write the successor of each of the following-

- a) 165987  
Ans \_\_\_\_\_
- b) 432159  
Ans \_\_\_\_\_
- c) 992561  
Ans \_\_\_\_\_
- d) 554876  
Ans \_\_\_\_\_
- e) 854960  
Ans \_\_\_\_\_

Q:-3 Write the next two numbers for each of the following-

- a) 892399  
Ans \_\_\_\_\_ , \_\_\_\_\_
- b) 289500  
Ans \_\_\_\_\_ , \_\_\_\_\_
- c) 355922  
Ans \_\_\_\_\_ , \_\_\_\_\_
- d) 452689  
Ans \_\_\_\_\_ , \_\_\_\_\_
- e) 651183  
Ans \_\_\_\_\_ , \_\_\_\_\_

Q:-4 Write two numbers that come just before each of the following -

- a) 61035  
 Ans \_\_\_\_\_ , \_\_\_\_\_  
 b) 272108  
 Ans \_\_\_\_\_ , \_\_\_\_\_  
 c) 965211  
 Ans \_\_\_\_\_ , \_\_\_\_\_  
 d) 115689  
 Ans \_\_\_\_\_ , \_\_\_\_\_  
 e) 99564  
 Ans \_\_\_\_\_ , \_\_\_\_\_

Q:-5 Write two numbers that come in between

- a) 84192. and. 84195  
 Ans \_\_\_\_\_ , \_\_\_\_\_  
 b) 772296 and 772299  
 Ans \_\_\_\_\_ , \_\_\_\_\_  
 c) 855326 and 855329  
 Ans \_\_\_\_\_ , \_\_\_\_\_  
 d) 963963 and 963966  
 Ans \_\_\_\_\_ , \_\_\_\_\_  
 e) 45666. and 45669  
 Ans \_\_\_\_\_ , \_\_\_\_\_

Q:-6 Counting by sevens write four numerals from 32385.

Q:-7 Counting by ten thousands write four numerals from 832000.

Q:- 8 Counting by forties write four numerals from 32,385.

Q :- 9 Counting by three hundreds write four numerals from 67,400.

Q:-10 Counting by one lakh write four numerals from 5,75,400

### COMPARISON OF NUMBERS

The signs of comparison-

\* The equal to sign ( = ) shows that numbers on both the sides have the same value.

For example :-  $100 = 100$   
 $58641 = 58641$

\*The greater than sign ( > ) shows that the number on the left has a greater value than that on the right.

For example :-  $134 > 122$   
 $33147 > 22649$

\* The less than sign ( < ) shows that the number on left has a smaller value than that on the right.

For example :-  $422 < 694$   
 $73147 < 73874$

COMPARISON OF NUMBERS WITH DIFFERENT NUMBER OF DIGITS -

\* If two numbers have different number of digits then the number with more digits is always greater.

For example :- 22,218 is a five digit number and 1,23,148 is a six digit number.  
Then  $1,23,148 > 22,218$

\* We can also say that the number with lesser digits is always smaller.

$$22,218 < 1,23,148$$

COMPARISON OF NUMBERS WITH SAME NUMBER OF DIGITS -

\* We start from left and go on comparing the digits until we find two digits that are different.

For example -

Compare 68,626 and 52,856

Tth.	Th.	H.	T.	O.
6	8	6	2	6
5	2	8	5	6

Solution :- First we consider the digits in the ten thousands place -

As 6 - ten thousands  $>$  5 - ten thousands

$$68,626 > 52,856$$

Also  $52,856 < 68,626$

ASCENDING. AND DESCENDING ORDER -

\*Ascending order :- Ascending order or increasing order is the arrangement of numbers from smallest to greatest.

Descending order :- Descending order or decreasing order is the arrangement of numbers from greatest to smallest.

LARGEST AND SMALLEST NUMBERS USING GIVEN DIGITS :-

\*If digits are not repeated :-

\* To write largest number we write the digits in descending order.

\*To write smallest number we write the digits in ascending order if we don't have '0' as one of the digit.

\*If 0 is one of the digits then we exchange it with the next higher digit.

Exercise :- 2

Q:-1 Which is the smaller number in each of the following pairs? Put the correct sign.

- a) 27,046 and 37,592
- b) 97,216 and 56,316

c) 2,27,572 and 5,22,715

Q:-2 Which is the greater number in each of the following pairs?

- a) 6,34,863 and 6,39,712
- b) 90,871 and 4,75,432
- c) 5,63,167 and 5,72,163

Q:-3 Arrange the following in ascending order -

- a) 78,282 ; 74,581 ; 1,17,908 ; 33,467
- b) 2,34,123 ; 7,18,594. ; 4,81,742. ; 2,26,741
- c) 3,31,464 ; 1,03,084 ; 9,17,854 ; 8,86,781

Q:- 4 Arrange the following in descending order -

- a) 8,86,147 ; 9,07,165 ; 3,31,468 ; 7,34,123
- b) 6,68,412 ; 2,29,075 ; 1,07,584 ; 3,30,814
- c) 9,55,671 ; 6,63,141 ; 3,08,011 ; 4,41,862

Exercise :- 3

Q 1 - Make the largest and the smallest numbers using the digits given below. Repetition of digits is not allowed -

- a) 9, 6, 4, 8, 2
- b) 1, 4, 5, 8, 0
- c) 6, 9, 4, 5, 1

Q - 2 Make the largest and the smallest 6 digit numbers using the given digits. You may repeat the digits.

- a) 1, 3, 2, 5, 6, 8
- b) 0, 2, 3, 6, 4, 9
- c) 4, 2, 1, 7, 6, 8

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