SARALA BIRLA PUBLIC SCHOOL

Birla Knowledge City, Mahilong, Ranchi

CLASS-V (2020-21)

Sub: MATHEMATICS

Assignment-2

Face Value and Place Value

Face Value- The place value of a digit in a number is the digit itself. The place of a digit in a number has no effect on its face value.

For eg: The face value of 5 in 25, 47,309 is 5

Place Value- The place value of a digit in a number depends on the place it occupies in the place value chart.

Place value of a digit= Face value of the digit X Value of the place

For eg- Place value of 3 in 2,43,56,876= 3 X 1,00,000= 3,00,000

Expanded Form- In this we express a number as the sum of the place values of all its digits. There are different ways to expand a number.

For eg- 54,678= 50,000 + 4,000 + 600 + 70 + 8

= 5X 10,000 + 4 X 1,000 + 6 X 100 + 7 X 10 + 8

= 5 ten thousand + 4 thousand + 6 hundred + 7 tens + 9 ones

- **Now solve the exercise.**

Ex 2.3

Q1. Write the face value and place value of underlined digit of the given number.

Sl No	Numbers	Face Value	Place Value
a)	1,27,8<u>5</u>4	5	50
b)	8,3<u>4</u>,796		
c)	<u>1</u>4,08,563		
d)	<u>7</u>9,15,62,038		

Q2. Write the place……..underlined digit.

a) 8,<u>1</u>4,<u>5</u>49

Sol. Place Value of 1 in 8,14,549 = 10,000

Place Value of 5 in 8,14,549 = 500

∴Sum of the place values = 10,000 + 500 = 10,500

b) 4<u>1</u>,2<u>3</u>,212 =

c) 14,<u>0</u>5,<u>0</u>8,369 =

d) <u>6</u>0,3<u>5</u>,056 =

Q3. Write the following numbers in the expanded form. **.[Apply any one method to answer this question]**

a)10,32,522 = 10,00,000 + 30,000 + 2,000 + 500 + 20 + 2

b) 5,34,72,361 =

c) 41,52,80,923 =

d) 39,25,61,053 =

Q4. Write the ……following.

a) 4,00,000 + 20,000 + 300 + 40 + 5= 4,20,345

b) 8,00,000 + 10,000 + 4,000 + 500 + 20 + 3 =

c) 5,00,00,000 + 4,000 + 6 =

d) 4 crores + 6 ten thousands + 4 hundreds + 9 ones =

Comparing Numbers (refer pg 116)

We have already learnt to compare small numbers. The rules for comparing the larger numbers remain the same. The rules are-

1) Count the number of digits of given numbers. The number having more digits will be greater.

   For eg- 54,567(5-digits) _<_ 5,54,567(6-digits)

2) If two numbers have equal numbers of digits, compare the digits at each place in both the numbers starting from extreme left.

Forming Numbers (Pg 117)

1) To form the greatest number using a given set of digits, arrange the digits in descending order.

2) To form the smallest number using a given set of digits, arrange the digits in ascending order. If there is 0 at the extreme left, interchange it with the digit on its immediate right.

   For eg- Framing greatest and smallest number using the digits 0,5,3,7,8,4

	Arrangement of digits	Numbers
Greatest no.	875430	8,75,430
Smallest no.	034578	3,04,578

Predecessor and Successor (pg117)

1) The number that comes just before a given number is called its predecessor. To find it,we subtract 1 from the given number.

   For eg- Predecessor of 3,459=3,459 – 1 = 3,458

2) The number that comes just after a given number is called its successor. To find it,we add 1 in the given number.

   For eg- Successor of 3,459=3,459 + 1 = 3,460

- **Now solve the exercise.**

Ex 2.4

Q2. Write the successor……. ……. number.

Q3.

Numbers	Predecessor(- 1)	Successor(+ 1)
3,52,06,419	3,52,06,418	3,52,06,420
8,5890,281		
9,03,89,249		
76,00,00,012		
9,38,75,659		

Compare each……..sign.

(a) 55,05,05,055 _____ 50,05,05,055

(b) 8,64,56,701 _____ 8,90,00,000

(c) 3,45,12,006 _____ 5,48,789

Q4. Form the smallest……..digit.

Digits	Greatest	Smallest
3,5,7,1,9,2		
1,4,5,0,8,7,3,2		
9,0,8,2,3,6,1,7		
7,9,5,3,8,1,4		

Q5. Write the following numbers in descending order:

(a) 23,54,208; 23,64,802; 24,64,008; 42,24,802

Ans

(b) 1,81,29,412; 1,18,29,214; 1,81,39,412; 1,18,90,900

Ans

Q6. Write the following in ascending order:

(a) 50,28,900; 5,00,20,900; 55,29,602; 50,80,03,080

Ans

(b) 45,28,009; 4,50,82,009; 45,82,009; 45,28,03,009

Ans