ST. ANDREWS SCOTS SCHOOL

Adjacent Navniti Apartments,
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Class: V **Subject: Mathematics** **Topic: Unit -1 (Number and Numerations)**

Questions to be done-

Warm up points –

Indian place value and International place value

system Ex-1 Q.1 (Book)

Q.2 b,d

Q.3 b,d

Q.4,5c

Q.6 (H.W)

Q.7b,d

Ex-2 Q.1 (book)

Q.2c

Q.3b

Q.4b,c

Q.5b,c

Ex-3 Q.1

(book)

Q.2b

Q.3b

Ex-4 Q.1

(book)

Q.2b

Q.3b

Ex-5 Q.1 (book)

Q.2b,d

Q.3 b,d

Q.4 b,d

Mental Maths Corner (Homework)

Case based questions (Homework)

Worksheet –

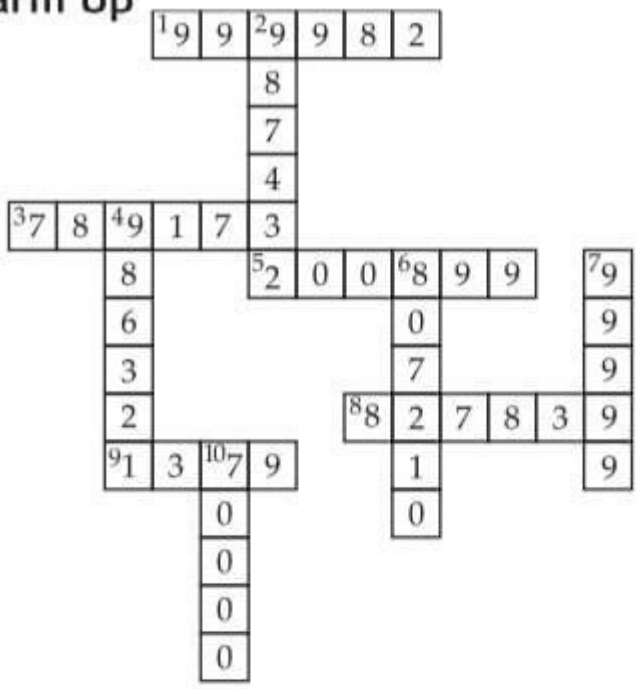
Warm Up

Across →

1. 999982
3. 789173
5. 200899
8. 99999
9. 1379

Down ↓

2. 987432
4. 986321
6. 807210
7. 827839
10. 70000



Exercise-1

1. (a) (iv) 10 crore = 100000000 = 100,000,000 = 100 million
So, 100 millions make 10 crore.

(b) (ii) 10 million = 10000000 = 1,00,00,000 = 100 lakhs
So, 100 lakhs make 10 million.

2. (a)

L	TTh	Th	H	T	O
4	8	3	7	4	5
Four	eighty-three		seven hundred forty-five		

Four lakh eighty-three thousand seven hundred forty-five

(b)

TL	L	TTh	Th	H	T	O
1	2	3	6	3	5	6
Twelve		thirty-six		three hundred fifty-six		

Twelve lakh thirty-six thousand three hundred fifty-six

(c)

C	TL	L	TTh	Th	H	T	O
5	6	7	3	3	8	8	8
Five	sixty-seven		thirty-three		eight hundred eighty-eight		

Five crore sixty-seven lakh thirty-three thousand eight hundred eighty-eight

(d)

TC	C	TL	L	TTh	Th	H	T	O
5	3,	4	9,	3	8,	1	2	5
Fifty-three		forty-nine		thirty-eight		one hundred twenty-five		

Fifty-three crore forty-nine lakh thirty-eight thousand one hundred twenty-five

3. (a)

M	HTh	TTh	Th	H	T	O
2,	8	9	6,	4	5	0
Two	eight hundred ninety-six			four hundred fifty		

Two million eight hundred ninety-six thousand four hundred fifty

(b)

M	HTh	TTh	Th	H	T	O
5,	3	0	0,	6	4	9
Five	three hundred			six hundred forty-nine		

Five million three hundred thousand six hundred forty-nine

(c)

TM	M	HTh	TTh	Th	H	T	O
9	8,	2	5	6,	1	8	8
Ninety-eight		two hundred fifty-six			one hundred eighty-eight		

Ninety-eight million two hundred fifty-six thousand one hundred eighty-eight

(d)

HM	TM	M	HTh	TTh	Th	H	T	O
2	5	6,	5	4	5,	1	9	8
Two hundred fifty-six			five hundred forty-five			one hundred ninety-eight		

Two hundred fifty-six million five hundred forty-five thousand one hundred ninety-eight

4. (a)

TL	L	TTh	Th	H	T	O
3	2,	8	7,	2	6	3
Thirty-two		eighty-seven		two hundred sixty-three		

Thirty-two lakh eighty-seven thousand two hundred sixty-three

(b)

M	HTh	TTh	Th	H	T	O
3,	2	8	7,	2	6	3
Three	two hundred eighty-seven			two hundred sixty-three		

Three million two hundred eighty-seven thousand two hundred sixty-three

5. (a) Indian system : 38,91,402 International system : 3,891,402
   (b) Indian system : 6,72,10,200 International system : 67,210,200
   (c) Indian system : 14,95,31,030 International system : 149,531,030
6. **In figures :** 99,99,99,999
   In words : Ninety-nine crore ninety-nine lakh ninety-nine thousand nine hundred ninety-nine

7. (a)

Millions			Thousands			Ones		
HM	TM	M	H Th	T Th	Th	H	T	O
		2	7	4	3	1	4	9

The number is 2,743,149.

(b)

Millions			Thousands			Ones		
HM	TM	M	H Th	T Th	Th	H	T	O
	2	2	2	4	0	7	8	3

The number is 22,240,783.

(c)

Crores		Lakhs		Thousands		Ones		
TC	C	TL	L	T Th	Th	H	T	O
7	1	8	6	4	7	1	0	5

The number is 71,86,47,105.

(d)

Millions			Thousands			Ones		
HM	TM	M	H Th	T Th	Th	H	T	O
1	0	5	0	0	4	9	9	9

The number is 105,004,999.

Exercise-2

1. **(a)** (iv) The place of 7 in the number 1,76,54,321 is ten lakhs.

   (b) (ii) Place value of 9 at the ones place = 9 ones = 9

   Place value of 9 at the thousands place = 9 thousands = 9,000

   Place value of 9 at the lakhs place = 9 lakhs = 9,00,000

   Required sum = 9 + 9,000 + 9,00,000 = 9,09,009

2. **(a)** Place value of 3 at ten thousands place = 3 ten thousands = 30000

   (b) Place value of 0 = 0

   (c) Place value of 7 at lakhs place = 7 lakhs = 700000

3. **(a)**

TL	L	T Th	Th	H	T	O
7	5	5	6	0	6	3

3 ones = 3
6 tens = 60
0 hundreds = 0
6 thousands = 6000
5 ten thousands = 50000
5 lakhs = 500000
7 ten lakhs = 7000000

So, 75,56,063 = 70,00,000 + 5,00,000 + 50,000 + 6,000 + 60 + 3

(b)

TC	C	TL	L	T Th	Th	H	T	O
1	2	3	5	1	7	9	8	9

9 ones = 9
8 tens = 80
9 hundreds = 900
7 thousands = 7000
1 ten thousands = 10000
5 lakhs = 500000
3 ten lakhs = 3000000
2 crores = 20000000
1 ten crore = 100000000

So, 12,35,17,989 = 10,00,00,000 + 2,00,00,000 + 30,00,000
+ 5,00,000 + 10,000 + 7,000 + 900 + 80 + 9

(c)

C	TL	L	T Th	Th	H	T	O
6	7	8	4	5	6	3	1

1 one = 1
3 tens = 30
6 hundreds = 600
5 thousands = 5000
4 ten thousands = 40000
8 lakhs = 800000
7 ten lakhs = 7000000
6 crores = 60000000

So, 6,78,45,631 = 6,00,00,000 + 70,00,000 + 8,00,000 + 40,000
+ 5,000 + 600 + 30 + 1

4. **(a)** 10,00,00,000 + 20,00,000 + 30,000 + 400 + 5

= 1 ten crore + 2 ten lakhs + 3 ten thousands + 4 hundreds + 5 ones

= 10,20,30,405.

TC	C	T L	L	T Th	Th	H	T	O
1	0	2	0	3	0	4	0	5

(b) 60,00,000 + 9,00,000 + 10,000 + 5,000 + 400 + 60 + 5

= 6 ten lakhs + 9 lakhs + 1 ten thousand + 5 thousands + 4 hundreds + 6 tens + 5 ones = 69,15,465

T L	L	T Th	Th	H	T	O
6	9	1	5	4	6	5

(c) 10,00,00,000 + 40,00,000 + 20,000 + 700 + 7

= 1 ten crore + 4 ten lakhs + 2 ten thousands + 7 hundreds + 7 ones

= 10,40,20,707

TC	C	T L	L	T Th	Th	H	T	O
1	0	4	0	2	0	7	0	7

5. **(a)** The predecessor of 91,81,87,999 is 91,81,87,998.

The successor of 91,81,87,999 is 91,81,88,000.

(b) The predecessor of 6,789,989 is 6,789,988.

The successor of 6,789,989 is 6,789,990.

(c) The predecessor of 59,69,79,899 is 59,69,79,898.

The successor of 59,69,79,899 is 59,69,79,900.

Exercise-3

1. (a)

L	T Th	Th	H	T	O
3	7	5	4	1	2
3	5	7	4	1	2

Here, 7 ten thousands > 5 ten thousands

So, 3,75,412 > 3,57,412

(b)

TM	M	HTh	T Th	Th	H	T	O
3	5	6	2	1	7	1	7
3	5	6	2	1	7	1	6

Here, 7 ones > 6 ones

So, 35,621,717 > 35,621,716

(c)

M	HTh	T Th	Th	H	T	O
1	7	5	6	2	1	5
1	7	5	6	3	1	5

Here, 2 hundreds < 3 hundreds

So, 1,756,215 < 1,756,315

(d)

L	T Th	Th	H	T	O
9	9	9	8	9	9
9	9	9	9	9	8

Here, 8 hundreds < 9 hundreds

So, 9,99,899 < 9,99,998

2. (a)

T L	L	T Th	Th	H	T	O
2	1	1	5	0	0	5
2	1	5	1	0	0	5
2	1	5	1	5	0	0
2	1	1	5	5	0	0

The given numbers in ascending order are as follows :

21,15,005, 21,15,500, 21,51,005, 21,51,500

The ....

(b)

T C	C	T L	L	T Th	Th	H	T	O
1	1	1	2	1	3	1	4	5
1	1	2	1	1	3	1	4	5
1	1	1	2	3	1	1	5	4
1	1	1	2	3	1	1	4	5

The given numbers in ascending order are as follows :

11,12,13,145, 11,12,31,145, 11,12,31,154, 11,21,13,145

3. (a)

TM	M	HTh	T Th	Th	H	T	O
4	3	0	0	6	7	8	9
4	3	0	6	0	7	8	9
4	3	6	0	0	7	8	9
4	3	6	0	0	8	7	9

The numbers in descending order are as follows :

43,600,879, 43,600,789, 43,060,789, 43,006,789

(b)

T C	C	T L	L	T Th	Th	H	T	O
6	1	8	2	1	4	2	1	7
6	1	8	2	1	4	1	1	9
6	1	8	2	1	4	9	1	1
6	1	8	2	1	4	7	1	2

The numbers in descending order are as follows :

61,82,14,911, 61,82,14,712, 61,82,14,217, 61,82,14,119

Exercise-4

1. (a) (iii) Arranging the given digits in ascending order, we get 0, 1, 3, 4, 7, 8, 9.

So, the smallest 7-digit number using the given digits is 1034789.

(b) (i) Four crore sixty-three lakh three hundred fifty-seven is written as 4,63,00,357.

The greatest number formed by rearranging (in descending order) the digits of 4,63,00,357 is 76543300.

2. (a) Arranging the given digits in ascending order, we get 2, 3, 4, 5, 7, 8, 9.

So, the smallest 7-digit number using the given digits is 2345789.

Arranging the given digits in descending order, we get 9, 8, 7, 5, 4, 3, 2.

So, the greatest 7-digit number using the given digits is 9875432.

(b) Arranging the given digits in ascending order, we get 0, 1, 2, 3, 4, 5, 7.

So, the smallest 7-digit number using the given digits is 1023457.

Arranging the given digits in descending order, we get 7, 5, 4, 3, 2, 1, 0.

So, the greatest 7-digit number using the given digits is 7543210.

3. (a) Arranging the given six digits in descending order, we get 8, 7, 6, 3, 2, 1. Here, the greatest digit is 8, so we will repeat it to make the greatest 7-digit number. The greatest 7-digit number using the given digits is 8876321.

Arranging the given six digits in ascending order, we get 1, 2, 3, 6, 7, 8. Here, the smallest digit is 1, so we will repeat it to make the smallest 7-digit number. The smallest 7-digit number using the given digits is 1123678.

(b) Arranging the given six digits in descending order, we get 9, 8, 5, 4, 3, 0.

Here, the greatest digit is 9, so we will repeat it to make the greatest 7-digit number. The greatest 7-digit number using the given digits is 9985430.

Arranging the given six digits in ascending order, we get 0, 3, 4, 5, 8, 9.

Here, the smallest digit is 0, so, we will repeat it to make the smallest 7-digit number. The smallest 7-digit number using the given digits is 3004589.

Exercise-5

1. **(a)** (iv) The largest possible number which results in 230 when it is rounded off to the nearest tens is 234.

   (b) (iii) 649 rounded off to the nearest tens is 650. So, Anamika bought about 650 toffees.

2. **(a)** The ones digit $7 > 5$, so 927 is rounded off to 930.

   (b) The ones digit $9 > 5$, so 819 is rounded off to 820.

   (c) The ones digit $4 < 5$, so 1234 is rounded off to 1230.

   (d) The ones digit $2 < 5$, so 3572 is rounded off to 3570.

3. **(a)** The tens digit $1 < 5$, so 917 is rounded off to 900.

   (b) The tens digit $8 > 5$, so 8989 is rounded off to 9000.

   (c) The tens digit $3 < 5$, so 12538 is rounded off to 12500.

   (d) The tens digit $6 > 5$, so 71364 is rounded off to 71400.

4. **(a)** The hundreds digit $3 < 5$, so 6398 is rounded off to 6000.

   (b) The hundreds digit $6 > 5$, so 9659 is rounded off to 10000.

   (c) The hundreds digit $6 > 5$, so 12671 is rounded off to 13000.

   (d) The hundreds digit $9 > 5$, so 999978 is rounded off to 1000000.