

DELHI PUBLIC SCHOOL, GANDHINAGAR

CLASS : 4

SUBJECT: MATHS

Academic Session 2022-23

CHAPTER 1- NUMBER SYSTEM (CONTINUE)

PRACTICE TIME-5

Q.4 Rewrite the following sentences in Roman Numerals.

a) There are 30 trees in the garden.

Ans: There are XXX trees in the garden.

b) Ram scored 50 points in a video game.

Ans: Ram scored L points in a video game.

Q.5. Simran had 40 pencils. She kept equal number of pencils in 5 boxes. How many pencils were there in each box?

Ans: Simran had XL pencils. She kept equal number of pencils in V boxes. How many pencils were there in each box?

COMPETENCY BASED QUESTIONS:

Q.1. Choose the correct answer from the given options.

1) How many days are there in the month of April?

a) XXX

b) XXI

c) XXXI

d) XXIX

Ans: XXX

2) Sita and Rama wrote 9 in Roman numerals. Sita wrote IX, Rama wrote XI. Who wrote it correctly?

a) Sita

b) Rama

c) Both wrote correctly

d) Both wrote wrong

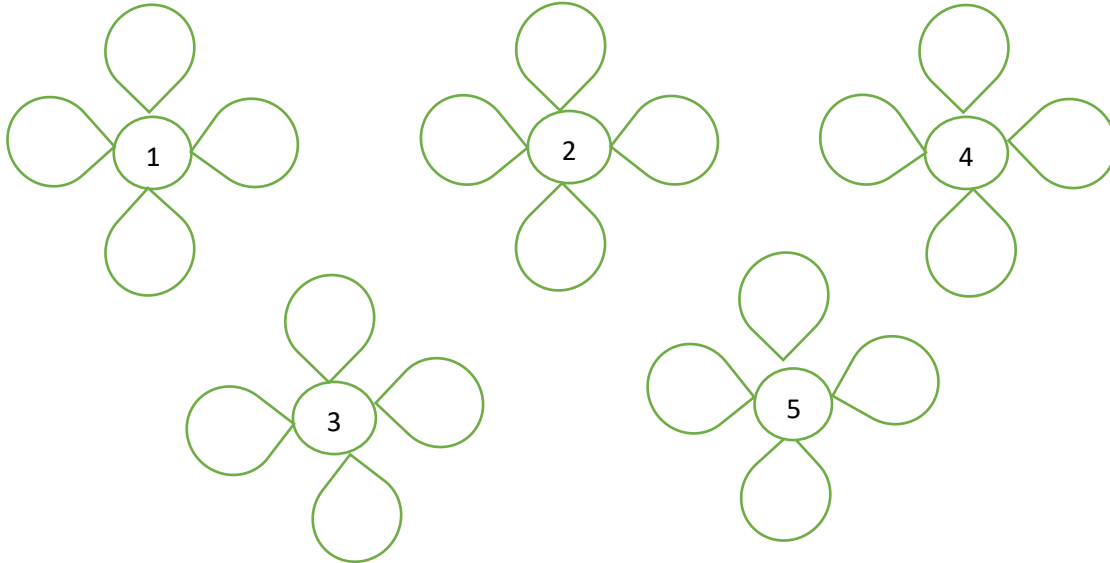
Ans: a) Sita

Q.2 Answer the following questions.

1) What is the sum of the greatest 5 digit and the smallest 5 digit number?

Ans: 1,09,999

2) Build the 5 digit number by using the clues given below.



4 is first in the number and just before 5.

5 is not next to 2 or 1.

3 is after 5 and not next to 1

Ans: 45,321

3) What is the difference between the predecessor of 4 digit greatest number and the successor of 3 digit number?

Ans: 9897

LAB MANUAL ACTIVITY (SUBJECT ENRICHMENT ACTIVITY-1)

TOPIC: Number building skill.

Use the given digit to build the smallest and greatest 5 digit numbers.

0 , 2 , 1 , 9 , 6

Smallest 5 digit number: _____

Expanded form of the smallest 5 digit number: _____

Greatest 5 digit number: _____

Expanded form of the greatest 5 digit number: _____

WORKSHEET IN TEXT BOOK (PAGE NO 18 SELECTED QUESTIONS)

Q1-A AND C

Q2-B

Q3-A AND C

Q4- A AND D

Q5- A AND B

Q8- ALL

Q9- PROBLEM SUM.

CHAPTER-2 ADDITION AND SUBTRACTION

- 1) Combining two or more numbers is called addition
- 2) The numbers that are added are called Addends.
- 3) The answer of addition is called the sum.

MY PRACTICE TIME-1

Q.1 Add the following:

a)	TTh	Th	H	T	O
	3	7	4	2	0
+	3	1	2	5	6
	6	8	6	7	6

d)		TTh	Th	H	T	O

		1	2	3	4	5
+		8	5	2	4	0
		9	7	5	8	5

h)	L	TTH	TH	H	T	O
	1	2	5	6	9	1
+	3	6	1	2	0	1
	4	8	6	8	9	2

j)	L	TTH	TH	H	T	O
	3	8	1	5	2	3
+	4	0	6	2	7	4
	7	8	7	7	9	7

Q.2. Find the sum:

a)	TTH	TH	H	T	O
		1		1	
	2	3	6	5	1
+	1	2	6	3	9
	3	6	2	9	0

f)	L	TTH	TH	H	T	O
					1	
	2	3	6	1	3	9
+	7	5	2	3	1	8
	9	8	8	4	5	7

i)	L	TTH	TH	H	T	O
	1	1		1	1	
	2	9	8	1	2	6
+	5	7	6	3	7	4
	8	7	4	5	0	0

j)	L	TTH	TH	H	T	O
	1	1		1	1	
	4	6	5	4	3	2
+	4	5	7	3	8	9
	9	2	2	8	2	1

Q.3 Solve the following:

b) $4,963 + 7,30,059 + 38,912$

	L	TTH	TH	H	T	O
		1	1	1	1	
			4	9	6	3
+	7	3	0	0	5	9
+		3	8	9	1	2
	7	7	3	9	3	4

e) $8,14,509 + 65,481 + 352 + 41$

		L	TTH	TH	H	T	O
			1	1	1	1	
		8	1	4	5	0	9
	+		6	5	4	8	1
	+				3	5	2
						4	1
		8	8	0	3	8	3

F) $2,49,056 + 2,94,112 + 451 + 83$ (Home work)

PROPERTIES OF ADDITION: (Tick in the text book)

1. Order Property: Two number, when added in any order, gives the same answer.
2. Grouping property: Three number added in any order give the same answer.
3. Zero Property: Adding zero to a number gives the number itself as the answer.
4. One property: Adding one to a number gives the successor of the number as the answer.

MY PRACTICE TIME-2

Q.1. Fill in the boxes

b) $7,52,810 + 1 = \underline{7,52,811}$

c) $0 + \underline{1,28,111} = 1,28,111$

d) $2,51,071 + (31,271 + 12,000) = (\underline{2,51,071} + 31,271) + 12,000$

f) Home work

Q.2. Add the following using the grouping property.

a) $17,068 + 4,321 + 59,632$

TL	L	TTH	TH	H	T	O
		2	1	1	1	
		1	7	0	6	8
+			4	3	2	1
		5	9	6	3	2
		8	1	0	2	1

f) $7,496 + 71,234 + 5,076$

	TTH	TH	H	T	O
	1		2	1	
		7	4	9	6
	7	1	2	3	4
+		5	0	7	6
	8	3	8	0	6

SUBTRACTION

- 1) The answer of subtraction is called difference.
- 2) The number which is subtracted is called subtrahend.
- 3) The number from which you subtract is called minuend.

MY PRACTICE TIME-3

Q.1- Subtract the following:

a)	TTH	TH	H	T	O
	7	5	0	3	8
-	2	1	0	2	6
	5	4	0	1	2

d)	TTH	TH	H	T	O
	5	4	3	6	0
-	2	1	2	5	0
	3	3	1	1	0

e)	L	TTH	TH	H	T	O
	7	5	2	1	3	6
-	2	1	0	0	1	4
	5	4	2	1	2	2

Q.2- Find the difference:

a)	TTH	TH	H	T	O
	2	10	9	9	18
	3	1	0	0	8
-	1	2	7	5	9
	1	8	2	4	9

d)	L	TTH	TH	H	T	O
	8	9	9	9	9	10
	9	0	0	0	0	0
-	2	7	4	8	9	6
	6	2	5	1	0	4

e)	L	TTH	TH	H	T	O
	5	9	9	9	9	10
	6	0	0	0	0	0
-	2	3	4	5	7	2
	3	6	5	4	2	8

Q.3- Arrange vertically and subtract:

f)	L	TTH	TH	H	T	O
				5	12	12
	7	8	4	6	3	2
-		7	2	1	9	5
	7	1	2	4	3	7

g)	L	TTH	TH	H	T	O
	3	10	8	10		
	4	0	9	0	6	0
-	3	5	5	8	0	0
	0	5	3	2	6	0

PROPERTIES OF SUBTRACTION: (Tick in the text book)

- 1) When zero is subtracted from a number, the answer is always the number itself.
- 2) When a number is subtracted from itself, we get zero as the answer.
- 3) When one is subtracted from a given number, we get its predecessor as the answer.

MY PRACTICE TIME-4

Fill in the boxes:

- a) $51,492 - 0 = 51,492$.
- d) $12,107 - 1 = 12,106$
- e) $2,11,119 - 0 = 2,11,119$
- f) $3,41,271 - 3,41,271 = 0$
- g) Home work

CHECKING SUBTRACTION BY ADDITION:

MY PRACTICE TIME-5

Q.1 Subtract the following and check your answer.

Check:

a)	TTH	TH	H	T	O
	1	11			
	2	1	4	3	1
-	1	2	0	0	0
	0	9	4	3	1

a)	TTH	TH	H	T	O
	1				
	0	9	4	3	1
+	1	2	0	0	0
	2	1	4	3	1

Check:

e)	L	TTH	TH	H	T	O
					8	12
	3	8	7	9	9	2
-	2	3	1	0	5	9
	1	5	6	9	3	3

e)	L	TTH	TH	H	T	O
	1	5	6	9	3	3
+	2	3	1	0	5	9
	3	8	7	9	9	2

Q.2 Solve the following.

b) $97,112 + 31,421 - 20,000$

b)	TTH	TH	H	T	O
	9	7	1	1	2
+	3	1	4	2	1
1	2	8	5	3	3

b)	L	TTH	TH	H	T	O
	1	2	8	5	3	3
-		2	0	0	0	0
	1	0	8	5	3	3

e) $7,36,521 + 1,25,650 - 1,00,000$

b)	L	TTH	TH	H	T	O
		1	1			
	7	3	6	5	2	1
+	1	2	5	6	5	0
	8	6	2	1	7	1

b)	L	TTH	TH	H	T	O
	8	6	2	1	7	1
-	1	0	0	0	0	0
	7	6	2	1	7	1

f) Home work

MY PRACTICE TIME-6

Q.1 Find the sum of the largest 6-digit and smallest 5- digit odd numbers.

Solution:

Largest 6 digit number=9,99,999

Smallest 5 digit odd number= 10,001

Sum of above=9,99,999 + 10,001=10,10,000

Ans: The sum is 10,10,000

Q.3 Home work

Q.6, A company has 2,00,000 customers all over the world. If it has 1,05,999 customers in India alone, how many customers are there from the rest of the world?

Solution:

Total Customers over the world= 2,00,000

Customers in India= 1,05,999

Customers in rest of the world = ?

$$2,00,000 - 1,05,999 = 94,001$$

Q.9 Find the sum of 45,651 and 99,100, then subtract the answer from 1.50,000. What is the final answer?

Solution:

$$45,651 + 99,100 = 1,44,751$$

$$1,50,000 - 1,44,751 = 5,249$$

Ans: The final answer is 5,249

CHAPTER-2 CLASS TEST(5 marks)

Q.1. Solve the following(2 marks)

	L	TTH	TH	H	T	O
				6	13	
	1	8	4	7	3	6
-		2	4	1	6	0
	1	6	0	5	7	6

Q.2. 3,52,964 people visited Kashmir this year and 5,37,219 people visited the previous year. How many people visited Kashmir in both the years altogether?(3 marks)

Solution:

People visited Kashmir this year= 3,52,964

People visited Kashmir previous year= 5,37,219

Altogether people visited Kashmir is $3,52,964 + 5,37,219$

$$= 8,90,183$$

Ans: Total 8,90,183 people visited Kashmir.

Chapter 2-COMPETENCY BASED QUESTIONS:

1) Reliance company needed 3,00,000 workers for one project. Four companies came forward to supply men power to complete the project as below.

Adani=42,495

Tata=32,453

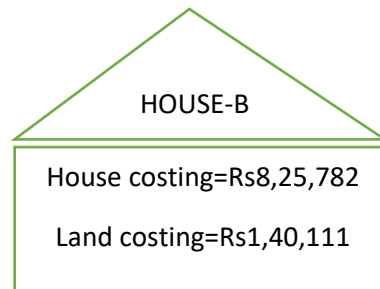
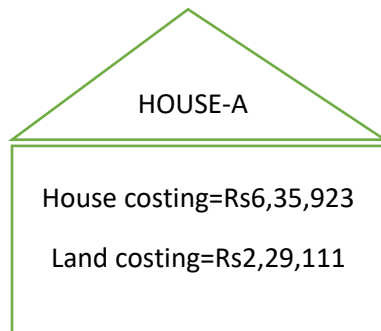
Leyland=87,300

Shell=98,935.

Is the total man power supply received enough for the project? If not then, how many more workers required to complete the project?

Ans: Total of all company is 2,61,183, which is enough to satisfy the total workers required.38817 more workers are required to complete the project.

2) Mohan wants to buy a house. He is checking the advertisement in the newspaper.



Find out which one of the house is better, if the size of the house is the same . Find the difference of the cost between the two houses.

Solution:

House A- House costing=Rs6,35,923

Land costing= Rs2,29,111

Total cost= Rs. 865034

House B-House costing=Rs8,25,782

Land costing= Rs1,40,111

Total cost= Rs.965893

Ans Mohan should buy House A as he has pay Rs.1,40,000 less compare to house B.

3. Mother asked Jane and Meera to buy apples from the fruit seller to make apple pie. Jane buys 14 apples and 2 papayas, whereas Meera buys 18 apples and 8 pineapples. How many apples do they buy in all?

Jane purchased = 14 apples

Meera purchased = 18 apples

Total apples purchased are 14 apples + 18 apples = 32 apples.

MATHS CLASS 4

CHAPTER-1 NUMBER SYSTEM

PLACE VALUE CHART:

The largest 5-digit number =99,999

Add 1 + 1

Smallest 6- digit number = 1,00,000 (One lakh)

Lakhs period		Thousands Period		Ones Period		
Ten Lakhs	Lakhs	Ten thousands	Thousands	Hundreds	Tens	Ones
TL	L	T Th	Th	H	T	O

L TTH TH H T O

1, 2 0, 5 3 9 (9×1=9 or 9 ones

Face value of 9 is 9

3× 10 = 30 or 3 tens

Face value of 3 is 3

5×100 = 500 or 5 hundreds

Face value of 5 is 5

0×1000 = 000 or 0 thousands

Face value of 0 is 0

2×10,000 = 20,000 or 2 ten thousands

Face value of 2 is 2

1 × 1,00,000 = 1,00,000 or 1 lakh

Face value of 1 is 1

FACE VALUE OF A DIGIT IS THE DIGIT ITSELF

Number = 1,20,539

Number name= One lakh twenty thousand five hundred thirty nine.

MY PRACTICE TIME-1

SR NO	NUMBER	L	TTH	TH	H	T	O
A	25,431		2	5	4	3	1
C	74,151		7	4	1	5	1
D	3,21,695	3	2	1	6	9	5
F(hw)	7,51,999	7	5	1	9	9	9

Q.2. Write the number names of the following numbers:

- a) 36,521= Thirtysix thousand five hundred twenty one.
c) 65,900=Sixtyfive thousand nine hundred.
e) 1,02,533= One lakh two thousand five hundred thirty three.
b) 25,399 =(H W)
h) 9,89,763= (H W)

Q.3. Write the numerals of the following number names.

- a) Ninety five thousand six hundred nine= 95,609.
b) Seventy one thousand twelve= 71,012
e) One lakh three thousand five= 1,03,005
g) Two lakh seventy three thousand one hundred two= 2,73,102
h) Five lakh ninety five thousand six hundred seventy three= 5,95,673

Q4. Write the place value and face value of the underlined digits.

Sr. No	Number	Place value	Face Value
a	36, <u>2</u> 41	200 or 2 hundreds	2
b	<u>2</u> 1,982	20,000 or 2 ten thousands	2
e	1, <u>2</u> 5,364	20,000 or 2 ten thousands	2
f	<u>2</u> ,73,564	2,00,000 or 2 lakh	2

i	7,00,00 <u>4</u>	4 or 4 ones	4
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MY PRACTICE TIME-2

Q:1 Expand the following numbers.

- a) $58,792 = 50,000 + 8,000 + 700 + 90 + 2$.
- b) $17,654 = 10,000 + 7000 + 600 + 50 + 4$.
- e) $8,97,653 = 8,00,000 + 90,000 + 7000 + 600 + 50 + 3$.
- g) 9, 08, 087 = (HW)
- i) 5, 69, 398 = (HW)

Q:2 Write the standard form of the following.

- a) $20,0000 + 5000 + 600 + 90 + 5 = 25,695$
- b) $10,000 + 700 + 20 + 3 = 10,723$
- f) $5 \times 1,00,000 + 2 \times 10,000 + 3 \times 100 + 2 \times 10 + 9$
 $5,00,000 + 20,000 + 300 + 20 + 9 = 5,20,329$

Q:3 Write the following number in the expanded form.

- a) Thirteen thousand sixteen
 $10,000 + 3000 + 10 + 6$
- c) Forty nine thousand one hundred thirty five
 $40,000 + 9000 + 100 + 30 + 5$
- d) Eight lakh one thousand eleven
 $8,00,000 + 0 + 1000 + 0 + 10 + 1$
- e) Six lakh six thousand thirty three (HW)

COMPARING NUMBERS

MY PRACTICE TIME-3

1. Compare the following using >, < or = sign.

- a) $82,765 \leq 97,450$
- b) $98,023 \leq 98,073$
- e) $24,434 < 24,436$
- g) $5,94,211 < 9,50,213$

h) 6,85772 ___ 4,56,923 (HW)

i) 9,56,939 ___ 9,56,939 (HW)

Q:2 Arrange the following in ascending order.

a. 5,42,478 , 62,461 , 24,199 , 92,489 , 2,46,955 (Smaller to bigger)

Ans. 24,199 , 62,461 , 92,489 , 2,46,955 , 5,42,478

c. 11,809 , 42,131 , 11,980 , 18,769 , 1,97,625 (Smaller to bigger)

Ans. 11,809 , 11,980 , 18,769 , 42,131 , 1,97,625

Q:3 Arrange the following in descending order.

a) 19,876 , 29,867 , 19,786 , 6,798 , 8,769 (Bigger to smaller)

Ans. 29,867 , 19,876 , 19,786 , 8,769 , 6,798

c) 45,678 , 45,089 , 45,009 , 45110 , 45,900 (Bigger to smaller)

Ans. 45,900 , 45,678 , 45,110 , 45,089 , 45,009

e) 5,64,213 , 56,375 , 1,56,142 , 3,56,199 , 56,253 (HW)

SUCCESSOR AND PREDECESSOR

Successor= Number +1

Predecessor= Number-1

MY PRACTICE TIME-3

Q4. Write the successor of the following.

a) 23,045 **23,046**

b) 3,29,667 **3,29,668**

d) 74,562 **74,563**

f) 34,700 **34701**

Q5. Write the predecessor of the following

a) **41,097** 41,098

b) **9,07,999** 9,08,000

c) **1,32,340** 1,32,341

d) **6,03,088** 6,03,089

f) **56,677** 56,678

FORMING LARGEST AND SMALLEST NUMBERS:

MY PRACTICE TIME-3

Q.6 Form the smallest and the greatest 5 or 6 digit number using the digits given below

a) 6, 5, 3, 2, 1

Smallest 5 digit number-12,356

Greatest 5 digit number-65,321

b) 1, 0, 5, 9, 8

Smallest 5 digit number-10,589

Greatest 5 digit number-98,510

c) 1, 9, 0, 6, 3, 5 (HW)

ROUNDING NUMBERS:

MY PRACTICE TIME-4

Q1. Round off the following numbers to the nearest 10.

a) 26,571 ($1 < 5$, so tens place will remain same)

Ans: 26,571 is rounded down to 26,570.

b) 24,589 ($9 > 5$, add 1 to tens place)

Ans: 24,589 is rounded up to 24,590

d) 1,45,785 ($5 = 5$, add 1 to tens place)

Ans: 1,45,785 is rounded up to 1,45,790

e) 5,35,783 (HW)

Q2. Round off the following numbers to the nearest 100.

a) 13,478 ($7 > 5$, so add 1 to hundreds place)

Ans: 13,478 is rounded down to 13,500.

b) 25,595 ($9 > 5$, add 1 to hundreds place)

Ans: 25,595 is rounded up to 25,600

d) 1,23,569 ($6 > 5$, add 1 to hundreds place)

Ans: 1,23,569 is rounded up to 1,23,600

Q3. Round off the following numbers to the nearest 1000.

a) 23,678 (6>5, so add 1 to thousands place)

Ans: 23,678 is rounded down to 24,000.

b) 28,196 (1< 5 , thousands place remains same)

Ans: 28,196 is rounded down to 28,000.

c) 7,95,325 (3< 5 , thousands place remains same)

Ans: 7,95,325 is rounded up to 7,95,000.

ROMAN NUMERALS

The Roman numeral system uses only seven letters to represent all the numbers.

HINDU ARABIC	ROMAN NUMERAL
1	I
5	V
10	X
50	L
100	C
500	D
1000	M

MY PRACTICE TIME-5

Q1 Write the following in Roman Numerals

a) 5- V

b) 10- X

d) 14- XIV

i) 13- XIII

h) 20 –XX

k) 8-VIII

Q2 Write the following in Hindu- Arabic numerals.

a) VII (5 +2) = 7

b) IV (5-1) = 4

c) XIII (10 +3) = 13

f) V = 5

Write 1 to 20 in Roman Numerals:

HINDU ARABIC	ROMAN NUMERALS
1	I
2	II
3	III
4	IV
5	V
6	VI
7	VII
8	VIII
9	IX
10	X
11	XI
12	XII
13	XIII
14	XIV
15	XV
16	XVI
17	XVII
18	XVIII
19	XIX
20	XX