



# NUMBER SYSTEM INTRODUCTION

**SUBJECT : MATHEMATICS**

**CHAPTER NUMBER: 01**

**CHAPTER NAME : NUMBER SYSTEM**

**SUB TOPIC : OPERATION ON LARGE NUMBERS**

**PERIOD NO: 4**

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## Learning outcome

\*Students will be able to do operations on large numbers.

\*Students will be able to solve real life problems involving large numbers

## Previous Knowledge Test

Q1. The difference between the greatest and the smallest 6-digit numbers formed by using all the digits 8, 0, 9, 2, 7, 1 only once each time is.....

Q2. Find the sum and difference of the numbers 9524420 and 9528420.

## Previous Knowledge Test

Q1. State true or false

i)The largest six digit telephone number that can be formed by using digits 5, 3, 4, 7, 0, 8 only once is 875403.

ii)The largest 4-digit number formed by the digits 6, 7, 0, 9 using each digit only once is 9760.

iii)The smallest 4-digit number is the successor of the largest 3-digit number.  
11.

## Examples of large numbers

Describing about Operations on large numbers with real life examples.

<https://www.youtube.com/watch?v=TVtdqRNJmiw>(2.17)

<https://www.youtube.com/watch?v=buyK1y4rV3E>(3.20)

## Operation on Large Numbers

	C	TL	L	TTh	Th	H	T	O
		1		1		1		
	5	3	4	5	6	3	4	1
+	2	2	6	0	7	2	6	5
	7	6	0	6	3	6	0	6

# Operation on Large Numbers

What the difference between 9,769,382 & 434,122

	<b>M</b>	<b>HTh</b>	<b>TTh</b>	<b>TH</b>	<b>H</b>	<b>T</b>	<b>U</b>
	9	7	6	9	3	8	2
-		4	3	4	1	2	2
	9	3	3	5	2	6	0

This is subtracting

What the difference between 17,282,312 & 9,433,673

	<b>T</b>	<b>M</b>	<b>HTh</b>	<b>TTh</b>	<b>TH</b>	<b>H</b>	<b>T</b>	<b>U</b>
	1	7	2	8	2	<del>3</del> <sup>10</sup>	<del>1</del> <sup>0</sup>	<del>2</del> <sup>12</sup>
-		9	4	3	3	6	7	3
								9





## Evaluation Question

Q.6. A cricket player has so far scored 7849 runs in test matches. He wishes to complete 10000 runs, how many more runs does he need?

Solution:

Given

A cricket player scored = 7849 runs

Total score he wish to complete = 10000

Runs required =  $10000 - 7849 = 2151$  runs

	1	0	0	0	0
-		7	8	4	9
		2	1	5	1

## Evaluation Question

Q7. In an election two candidates A and B are the only contestants. If candidate A scored 932567 votes and candidate B scored 900235 votes, by how much margin did A win or lose the election?

Solution:

Votes scored by candidate A = 932567

Votes scored by candidate B = 900235

Since votes scored by candidate A is more than B. Hence, candidate A win the election

Candidate A win the election by margin =  $932567 - 900235$

= 32332 votes

## Additional Home assignment

HW- Ex. 1.B Q. No2, 3.

AHA

Q1. Vinayak covers 3km 650m by taxi, 2 km 500m by rickshaw and 1km 230m on foot. What is the total distance covered by him?

Q2. A cafeteria sells 178.44 liters of apple juice on Monday and 19.3 liters more than this quantity on Tuesday. In total, how many liters of apple juice did they sell?

**THANKING YOU**  
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