

SESSION : 2
CLASS : IV
SUBJECT : MATHEMATICS
CHAPTER NUMBER : 5
CHAPTER NAME : SUBTRACTION
**SUBTOPIC : PROPERTIES OF SUBTRACTION
AND SUBTRACTION OF LARGE
NUMBERS, EX-5 B Q.NO. 1 & 2**

CHANGING YOUR TOMORROW

LEARNING OBJECTIVE

- Enable the students to understand the properties of subtraction and subtraction of large numbers.

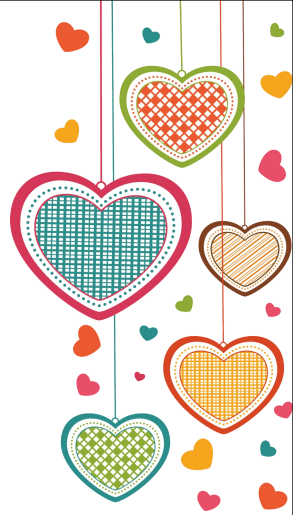
PROPERTIES OF SUBTRACTION

1. When we subtract '0' from a number, the difference is the number **itself**.

Examples:

$$9,04,238 - 0 = 9,04,238$$

$$57,16,349 - 0 = 57,16,349$$



PROPERTIES OF SUBTRACTION

2. When we subtract a number from **itself**, the difference obtained is '**0**'.

Examples:

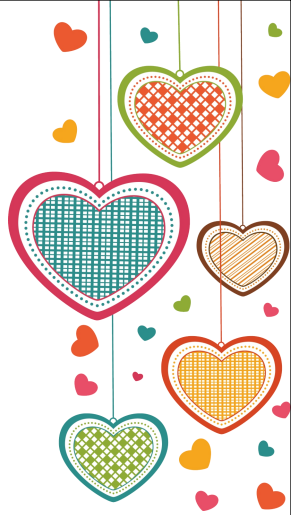
$$7,37,150 - \mathbf{7,37,150} = \mathbf{0}$$

$$21,09,909 - \mathbf{21,09,909} = \mathbf{0}$$



PROPERTIES OF SUBTRACTION

3. We cannot change the order of numbers in subtraction. If we change the order, the answer we get will be different.



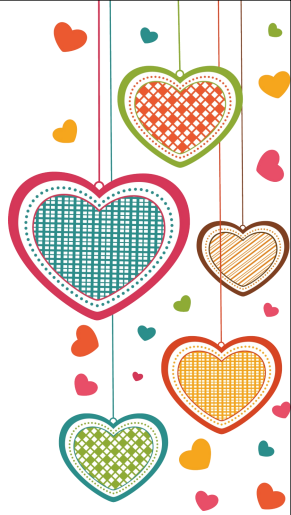
SUBTRACTION OF LARGE NUMBERS

We always subtract a **smaller** number from a **greater** number.

Minuend: The number from which we subtract the other number is called **minuend**.

Subtrahend: The number which is subtracted is called the **subtrahend**.

Difference: The result obtained on subtraction is called the **difference**.



SUBTRACTION OF LARGE NUMBERS

EXAMPLE – 1: Subtract 2,28,583 from 4,17,818.

Solution: Write the greater number on top and the smaller number, below it.

	3	11	17	7	11		
	4	1	7	8	1	8	← Minuend
-	2,	2	8,	5	8	3	← Subtrahend
<hr/>							
	1,	8	9,	2	3	5	← Difference
<hr/>							

Step 1: Arrange the numbers in columns. Ones under ones, tens under tens and so on

Step 2: Go on subtracting column-wise beginning with the ones (borrow if necessary).



EXERCISE – 5 (B)

$10 + 2$

$10 + 5$

$10 + 2$

1. Subtract the following:

12

15

12

(a)

	2	2	5	0	2	8
-	1,	6	8,	0	7	5
<hr/>						
	1,	6	7,	0	5	3
<hr/>						



EXERCISE – 5 (B)

$$10 + 7 \quad 10 + 1 \quad 10 + 1$$

1. Subtract the following:

$$17 \quad 11 \quad 11$$

$$\begin{array}{r} \text{(b)} \quad 4, \quad \overset{3}{\cancel{4}} \quad \overset{7}{\cancel{8}}, \quad \overset{1}{\cancel{2}} \quad \overset{1}{\cancel{4}} \quad 5 \\ - \quad 2, \quad 3 \quad 9, \quad 3 \quad 6 \quad 4 \\ \hline 2, \quad 0 \quad 8, \quad 8 \quad 5 \quad 1 \end{array}$$



EXERCISE – 5 (B)

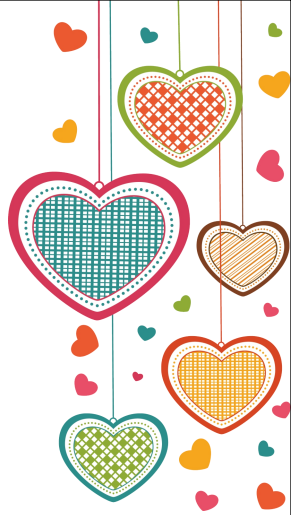
$$10 + 4 \quad 10 + 4 \quad 10 + 6 \quad 10 + 5$$

1. Subtract the following:

$$10 \quad 14 \quad 14 \quad 16 \quad 15$$

(c)

5	1	5	5	7	5
4	0	4	4	6	
↗	↗	↗	↗	↗	
- 3,	2	8,	6	8	6
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1,	8	6,	8	8	9
<hr/>					



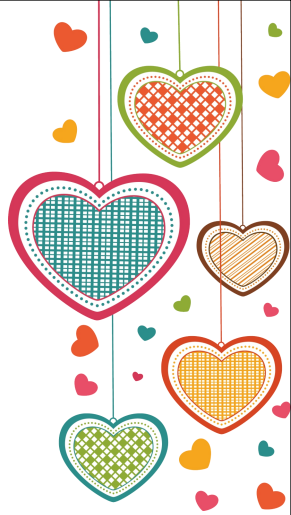
EXERCISE – 5 (B)

$10 + 6 \quad 10 + 8$

1. Subtract the following:

$9 \quad 16 \quad 18$

$$\begin{array}{r} \text{(d)} \quad \begin{array}{r} 4 \\ \cancel{5} \end{array} \begin{array}{r} 10 \\ \cancel{0} \end{array} \quad \begin{array}{r} 7 \\ \cancel{8} \end{array} \begin{array}{r} 10 \\ \cancel{0} \end{array} \quad \begin{array}{r} 6 \\ \cancel{7} \end{array} \begin{array}{r} 8 \\ \cancel{8} \end{array} \\ - \quad \begin{array}{r} 3 \\ 1 \end{array}, \quad \begin{array}{r} 7 \\ 6 \end{array}, \quad \begin{array}{r} 8 \\ 8 \end{array}, \quad \begin{array}{r} 9 \\ 9 \end{array} \\ \hline \begin{array}{r} 1 \\ 9 \end{array}, \quad \begin{array}{r} 0 \\ 3 \end{array}, \quad \begin{array}{r} 8 \\ 8 \end{array}, \quad \begin{array}{r} 9 \\ 9 \end{array} \end{array}$$



EXERCISE – 5 (B)

2. Solve in your notebook and answer the following questions:

(a) Subtract 88,125 from 21,15,518.

		10 + 5			10 + 1	
		10	15		11	
2	1 ⁰ ↗	1 ⁰ ↗	5	5 ⁴ ↗	1	8
-		8	8,	1	2	5
<hr/>						
2	0,	2	7,	3	9	3
<hr/>						



EXERCISE – 5 (B)

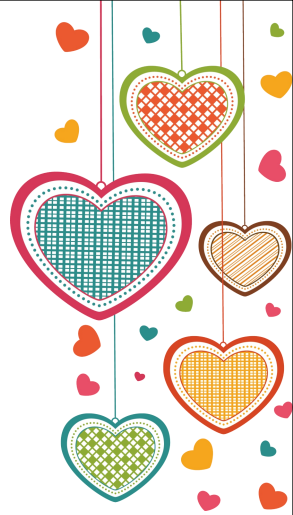
2. Solve in your notebook and answer the following questions:

$$10 + 7 \quad 10 + 8$$

(b) Subtract 27,894 from 5,08,884.

$$17 \quad 18$$

4	10	7	7		
5	0	8	8	8	4
-	2	7,	8	9	4
4,	8	0,	9	9	0



EXERCISE – 5 (B)

2. Solve in your notebook and answer the following questions:

(c) Which is greater and by how much?

7,08,153 or 7,28,263.

The greater number is
7,28,263

How much greater = **20,110**
 ↑
 Answer

$$\begin{array}{r} 7, 2 8, 2 6 3 \\ - 7, 0 8, 1 5 3 \\ \hline 0 2 0, 1 1 0 \\ \hline \end{array}$$



EXERCISE – 5 (B)

2. Solve in your notebook and answer the following questions:

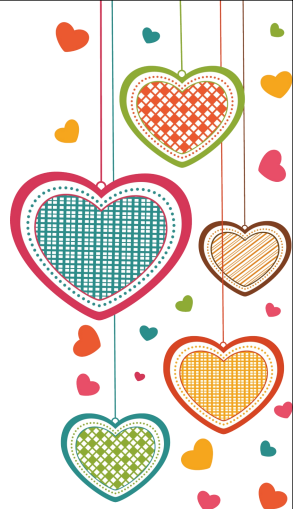
(d) Which is greater and by how much?

1,28,215 or 2,00,000.

The greater number is
2,00,000

How much greater = **71,785**
 ↑
 Answer

$$\begin{array}{r} 9 \quad 9 \quad 9 \quad 9 \\ 1 \quad 10 \quad 10 \quad 10 \quad 10 \quad 10 \\ \cancel{2} \quad \nearrow \quad \cancel{0} \quad \nearrow \quad \cancel{0} \quad \nearrow \quad \cancel{0} \quad \nearrow \quad \cancel{0} \\ - \quad 1, \quad 2 \quad 8, \quad 2 \quad 1 \quad 5 \\ \hline 0 \quad 7 \quad 1, \quad 7 \quad 8 \quad 5 \\ \hline \end{array}$$



HOME ASSIGNMENT:

- **Complete Exercise – 5(B) Q.NO. 1 & 2 in your note book.**

LEARNING OUTCOME:

Students are able to understand the properties of subtraction and subtraction of large numbers.

THANKING YOU
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