

## LESSON NOTES FOR NUMBERS FOR TOP CLASS TERM I – 2019

### WEEK I

Introducing number numerals 1 -10

#### Activities

- Singing number songs.
- reciting rhymes.
- Number games
- Counting real objects and pictures. (orally)
- Matching numbers to pictures.
- Writing numbers 0 – 10 in order.

### WEEK II

I can recognize numerals 1- 2 0.

#### Activities

- singing number songs.
- Number games.
- Counting real objects
- Counting objects.
- Counting objects and writing numbers.
- Count and write
- Drawing objects
- Tick the correct number for the pictures
- Writing numbers in order.

### WEEK III

I can recognize numerals and enumerate them.

(Application of quantitative) e.g

$$4 \quad 2 \quad \textcircled{3} = \textcircled{\diagup} \textcircled{\diagup} \textcircled{\diagup}$$

$$2 \quad 3 \quad \textcircled{4} = \text{four circles with a line through them}$$

$$0 \quad \textcircled{2} \quad 1 = \text{two stick figures}$$

- Draw pictures for the number

$$4 = \text{four apples}$$

$$6 = \text{six slanted lines}$$

### Activities

- Counting objects
- Matching numbers to pictures.
- Drawing objects of the given numbers.
- Count and circle the number.
- Count and underline the correct number.

## **WEEK IV (From the smallest to the biggest)**

*Arranging numbers in order. e.g*

$$\begin{array}{l} 3, \quad 0, \quad 1, \quad 2 \quad = \quad 0, \quad 1, \quad 2, \quad 3 \\ 5, \quad 3, \quad 4, \quad 2, \quad 1 \quad = \quad 1, \quad 2, \quad 3, \quad 4, \quad 5 \\ 2, \quad 1, \quad 3, \quad 4 \quad = \quad 1, \quad 2, \quad 3, \quad 4 \end{array}$$

### Activities

- recognition of numbers
- counting numbers.
- Arranging numbers from the smallest to the biggest.
- Arranging numbers from the biggest to the smallest.
- Writing correct numbers.

Introducing missing numbers. e.g

$$\begin{array}{l} 1 \quad \_ \quad 3 \quad \_ \quad 5 \\ \_ \quad 6 \quad \_ \quad 8 \quad 9 \quad \_ \\ \_ \quad 0 \quad \_ \quad 2 \quad 3 \quad 4 \quad \_ \quad 6 \quad \_ \end{array}$$

Write the numbers after/before

3 ,        

2 ,        

6 ,        

     , 4

     , 8

     , 6

### Activities

- Counting numbers
- Writing numbers
- Finding the missing numbers.
- Arranging numbers in order
- writing the number after
- Writing the number before.

## **WEEK V**

Introducing    plus sign and equal sign. (I can add using objects up to 10)

### Activity

- Counting objects
- Drawing pictures
- Adding pictures
- Count, add and draw pictures e.g

$$\begin{array}{c} \star \\ \bigcirc \end{array} \begin{array}{c} \star \\ \bigcirc \end{array} + \begin{array}{c} \star \\ \bigcirc \end{array} \begin{array}{c} \star \\ \bigcirc \end{array} = \begin{array}{c} \star \\ \bigcirc \end{array} \begin{array}{c} \star \\ \bigcirc \end{array} \begin{array}{c} \star \\ \bigcirc \end{array} \begin{array}{c} \star \\ \bigcirc \end{array}$$

$$\triangle \triangle \triangle + \triangle =$$

$$\mathbf{Z \ Z + \ Z = \ Z \ Z \ Z}$$

### Addition of objects/pictures

#### Activities

- Counting objects and writing a number.
- Drawing pictures.
- Adding picture e.g

$$\begin{array}{c} \bigcirc \\ \diagup \diagdown \\ \text{---} \end{array} \begin{array}{c} \bigcirc \\ \diagup \diagdown \\ \text{---} \end{array} + \begin{array}{c} \bigcirc \\ \diagup \diagdown \\ \text{---} \end{array} = \underline{3}$$

$$\square \square \square + \square = \underline{4}$$

$$\text{cup} + \text{cup} = \underline{2}$$

## WEEK VI

Introducing addition of numbers using pictures. (I can add objects with numbers up to 10)

### Activities

- Oral work counting
- Drawing the pictures.
- Counting the pictures.
- Adding pictures.
- Count, add and write the number e.g

$$\triangle \triangle + \triangle \triangle = \triangle \triangle$$

$$2 + 2 = 4$$

## WEEK VII

Introducing addition with balls 0 – 10.  
(I can add things and numbers up to 10)

### Activities

- Oral work counting
- Drawing balls on numbers.
- Counting and writing the correct numbers. e.g

$$\begin{array}{ccc} \circ \circ & & \circ \\ 3 & + & 1 = \underline{4} \end{array}$$

$$\begin{array}{ccc} \circ \circ & & \circ \circ \\ 2 & + & 2 = \underline{4} \end{array}$$

$$\begin{array}{ccc} \circ & & \\ 1 & + & 0 = \underline{1} \end{array}$$

Addition of numbers using balls.

$\begin{array}{r} 2 \text{ } \bigcirc\bigcirc \\ + \text{ } 2 \text{ } \bigcirc\bigcirc \\ \hline 4 \end{array}$	$\begin{array}{r} 4 \text{ } \bigcirc\bigcirc\bigcirc\bigcirc \\ + \text{ } 0 \\ \hline 4 \end{array}$	$\begin{array}{r} 3 \text{ } \bigcirc\bigcirc\bigcirc \\ + \text{ } 2 \text{ } \bigcirc\bigcirc \\ \hline 5 \end{array}$
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## WEEK 8

Introducing greater and less.

( I can show relations among things/numbers in order)

### Activities

- Identify and show the greater/less number.
- Tick the greater number.
- Ring the greater number
- Cross the greater number
- Underline the greater number

e.g Tick the greater number

$4^v \text{ } \bigcirc\bigcirc\bigcirc\bigcirc$	$2 \text{ } \bigcirc\bigcirc$
-------------------------------------------------	-------------------------------

$6^v \text{ } \bigcirc\bigcirc\bigcirc\bigcirc\bigcirc\bigcirc$	$1 \text{ } \bigcirc$
-----------------------------------------------------------------	-----------------------

$7^v \text{ } \bigcirc\bigcirc\bigcirc\bigcirc\bigcirc\bigcirc\bigcirc$	$3 \text{ } \bigcirc\bigcirc$
-------------------------------------------------------------------------	-------------------------------

Underline the less number

$5 \text{ } \bigcirc\bigcirc\bigcirc\bigcirc$	$\underline{2} \text{ } \bigcirc\bigcirc$
-----------------------------------------------	-------------------------------------------

$\underline{1} \text{ } \bigcirc$	$5 \text{ } \bigcirc\bigcirc\bigcirc\bigcirc\bigcirc$
-----------------------------------	-------------------------------------------------------

$\underline{3} \text{ } \bigcirc\bigcirc$	$8 \text{ } \bigcirc\bigcirc\bigcirc\bigcirc\bigcirc\bigcirc\bigcirc\bigcirc$
-------------------------------------------	-------------------------------------------------------------------------------

$\underline{1} \text{ } \bigcirc$	$4 \text{ } \bigcirc\bigcirc\bigcirc\bigcirc$
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## **WEEK IX**

Introducing number before and number after.  
(I can recognize numbers 0 – 20)

### Activities

- Identifying the number
- Writing the number after.
- Writing number before
- Writing number between.

## **WEEK X**

Introducing shapes. (circle, square, rectangle, triangle, oval, star)  
( I can collect objects according to stated features.)

### Activities

- Identifying the shapes.
- Drawing the shapes.
- Matching shapes to their names.
- Colouring the shapes.
- Writing names for shapes.
- read and match to the shapes.

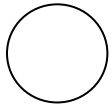
## **WEEK XI**

Revision exercises about the following areas.

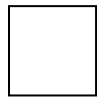
- Arranging numbers in order.
- From the biggest to the smallest.
- From the smallest to the biggest
- Find the missing numbers.
- Write the number before and after.
- Write the number between.
- Addition of numbers
- Shapes

## LESSON NOTES FOR NUMBERS FOR TOP CLASS TERM II – 2017

### WEEK I



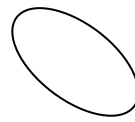
Circle



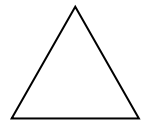
square



star



oval



triangle

#### Activities

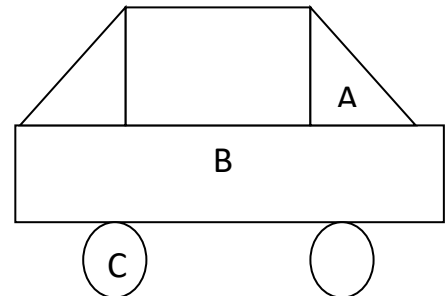
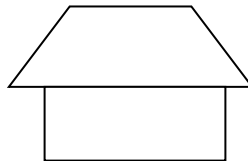
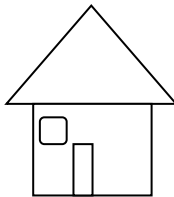
- Identifying and recognizing shapes.
- Pronouncing words correctly.
- Colouring shapes
- Matching words to pictures.
- Underline correct word for the given shape.
- Naming shapes



### WEEK II

Introducing making patterns using shapes.

e.g



#### Activities

- Recognizing shapes.
- Forming objects using the patterns
- Drawing shapes.
- naming shapes.
- Fill in the missing letters.

### WEEK III

Introducing numerals 0 – 30

1, 2, 3, 4, 5, 6, 7, 8, 9, 10  
11, 12, 13, 14, 15, 16, 17, 18, 19, 20  
21, 22, 23, 24, 25, 26, 27, 28, 29, 30

#### Activities

- Counting real objects

- Counting pictures orally
- Copying numbers.
- Find the missing numbers.
- Match pictures to numbers.

Finding the next number using “what”.

What number comes after?

13,    \_\_\_                      15,    \_\_\_                      17,    \_\_\_

What number comes before?

\_\_\_, 21                      \_\_, 29                      \_\_, 14

Arranging numbers in order. e.g

12, 10, 11 - 10, 11, 12

20, 1, 19 - 18, 19, 20

### Activities

- Counting numbers
- Writing numbers before and after
- Arranging numbers in order.
- Tick the greater number.
- Circle the smaller number.

## **WEEK IV**

Introducing subtraction

(Take away using objects)

$$c \ c \ c \ \cancel{c} \ \cancel{c} = \underline{3}$$

$$a \ a \ a \ a \ \cancel{a} = \underline{4}$$


$$\phi \ \cancel{b} \ \cancel{b} \ \phi = \underline{0}$$

### Activities




- Counting correctly.
- Drawing objects
- Subtracting objects
- Writing the number correctly.

Take away involving numbers



$$\begin{array}{r} 5 - 1 = 4 \end{array}$$



$$\begin{array}{r} 4 - 2 = 2 \end{array}$$

### Activities

- Counting correctly.
- Drawing objects
- taking away numbers
- Writing the number correctly

Taking away using numbers vertically and horizontally. e.g

$$3 - 0 = 3$$

$$5 - 2 = \underline{\quad}$$

$$10 - 4 = \underline{\quad}$$

$$\begin{array}{r} 3 \\ - 2 \\ \hline \end{array}$$

$$\begin{array}{r} 2 \\ - 0 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ - 5 \\ \hline \end{array}$$

### **WEEK V**

Addition of numbers up to the sum of 20

Adding three numbers e.g

$$1 + 1 + 1 = 3$$

$$4 + 2 + 4 = 10$$

$$3 + 1 + 2 = \underline{\quad}$$

Adding vertically

3

5

4

$$\begin{array}{r} 3 \\ + 1 \\ \hline 7 \end{array}$$

$$\begin{array}{r} 2 \\ + 6 \\ \hline \end{array}$$

$$\begin{array}{r} 2 \\ + 1 \\ \hline \end{array}$$

### Activities

- Counting correctly.
- Adding numbers correctly.
- Arranging numbers
- Drawing counters e.g balls, sticks
- Writing numbers correctly.

## **WEEK VI**

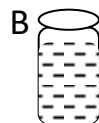
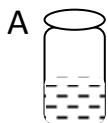
Use of full, empty, half



### Activities

- reading the words correctly.
- Filling containers with water.
- Drawing pictures.
- Identifying tins.
- Matching pictures to words.
- Cross the correct word.

Comparing using more/less



Questions

which tin has less water?

Tin \_\_\_\_ has less water than tin \_\_\_\_.

### Activities

- reading words correctly.
- Drawing tins.
- Identifying tins
- Answering questions correctly.
- Completing the gaps correctly.

## WEEK VII

Comparing length of subjects.  
(Using short, shorter, shortest)

short



shorter



shortest



Using long, longer, longer

A



long

B



longer

C



longest

Ruler A is \_\_\_\_\_

Ruler B is \_\_\_\_\_ than Ruler A \_\_\_\_\_

Ruler C is the \_\_\_\_\_

### Activities

- Reading words correctly.
- Drawing objects
- Writing statements
- Completing statements
- Answering correctly.

Comparing of heights using different objects.

(Use of tall, taller, tallest)

Mary



tall

Sara



taller

Joy



tallest

\_\_\_\_\_ is taller than \_\_\_\_\_

Who is the tallest?

### Activities

- Identifying the great /less number
- Finding the greater number
- Writing the greater or less number.
- Underline the greater or less number.

## WEEK NINE

Introducing number words (0 – 10)

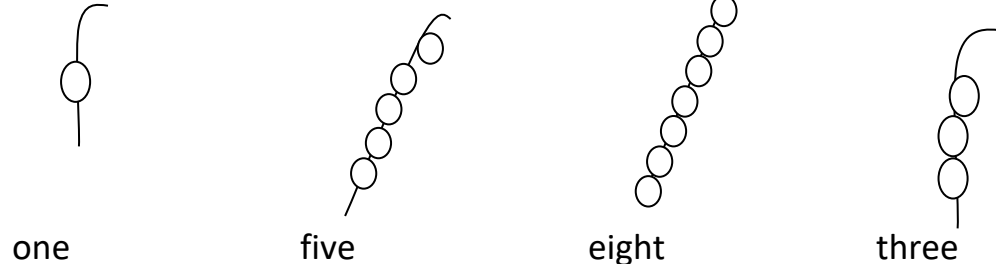
(zero, one, two, three, four, five, six, seven, eight, nine, ten)

### Activities.

- reading the words correctly.
- Matching words to pictures
- Drawing pictures for the number words.
- Writing words for the numbers.
- Fill in the missing letters
- Listen and write.

Introducing drawing beads.

### Read and draw the beads



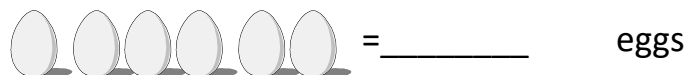
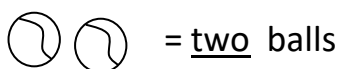
### Activities


- reading the words
- Identifying the correct number for the word.
- Counting beads.
- Drawing beads.

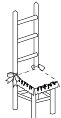
## WEEK X

Writing number words.

Count and write number in words.



 = \_\_\_\_\_ books

 = \_\_\_\_\_ chairs

### Read and draw

two balls =

four cups = 

six stones = 

seven apples = 

### Activities

- Reading the words
- Counting objects
- Identifying the correct number word.
- Drawing pictures.
- Writing number words.

### **WEEK XI**

Introducing addition of number words. e,g

Three and two is five

$$\underline{3} + \underline{2} = \underline{5}$$

Five and one is six

$$\underline{5} + \underline{1} = 6$$

Two and two gives four

$$\underline{2} + \underline{2} = \underline{4}$$

Six and one gives seven

$$\underline{6} + \underline{1} =$$

Five plus three equals eight.

$$\underline{5} + \underline{3} = \underline{8}$$

Zero plus ten equals ten

$$\underline{0} + \underline{10} = \underline{10}$$

Two bananas plus one banana equals \_\_\_\_\_ bananas.  
One book plus three books equals \_\_\_\_\_ books.

### Activities

- Reading words
- Counting objects
- Writing number words.
- Adding numbers
- Drawing pictures

### **WEEK XII**

Revision on all the learnt themes.

## LESSON NOTES FOR NUMBERS FOR TOP CLASS TERM III – 2018

### WEEK I

Addition of numbers (3 addends)

Subtraction of numbers.

#### Activities

- Counting numbers
- Addition of numbers horizontally
- Addition of numbers vertically.
- Subtracting numbers horizontally.
- Subtracting numbers vertically

$$\begin{array}{r} 4 \\ 3 \\ + 1 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ 2 \\ + 1 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ - 1 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ - 2 \\ \hline \end{array}$$

$$4 - 1 =$$

$$6 - 2 =$$

$$5 - 3 =$$

### WEEK II

Identifying the greater number

Identifying the less number by ringing, ticking, underling and crossing.

#### Activities

- Counting numbers, drawing balls.
- Ringing the greater number
- Ringing the less number.
- Identifying the greater and less number by ticking, crossing or underlining.

$$6^{\vee}, 4$$

$$3, 7$$

### WEEK III

Introducing number words

#### Activities

- Counting numbers
  - Writing number words.
  - Matching numbers to number words.
  - Drawing pictures.
  - Identifying words by circling, ticking, underlining and ringing.
- one, two, three, four, five, six, seven, eight, nine, ten

### WEEK IV

Word statements (addition)

#### Activities

- reading mathematical statements
- Reading operational signs.

Solving given word statements using addition

six plus two equals \_\_\_\_\_  
three plus one equals \_\_\_\_\_  
four plus four equals \_\_\_\_\_  
two plus five equals \_\_\_\_\_

### WEEK V

Addition using number words.

#### Activities

- Counting
  - Writing words for numbers
  - Drawing objects for numbers
  - Writing numbers for words.
  - Adding numbers
- |   |   |       |   |   |            |
|---|---|-------|---|---|------------|
| 1 | - | one   | 4 | - | four       |
| 2 | - | two   | 5 | - | five, etc. |
| 3 | - | three |   |   |            |



## WEEK VI

Solving word problems using addition

- Explanation of the following words; plus, altogether, collected, joined, put together, how many
- reading statements and word problems
- Counting and writing
- Solving word problems
- Drawing pictures

mum had two eggs

Sara had four eggs

They had \_\_\_\_\_eggs altogether.

## WEEK VII

Identifying the less number.

Solving word problems by subtracting

### Activities

- Counting
- Drawing pictures
- Identifying the less number by either crossing, ticking, underlining or ringing
- Explanation of the following words; take away, remain, broken, fell down, flew away, left, how many.
- Subtracting

There were four birds on a tree.

two birds flew away. How many birds remained?

Jane had eight eggs.

Three eggs got broken. How many eggs were left?

## WEEK VIII

Addition

Subtraction

} By finding the missing number

$$5 + \square = 7$$

$$\square - 3 = 2$$

$$7 + \square = 10$$

### Activities

- Identifying the less or greater number.
- Subtracting horizontally and vertically

$$\begin{array}{r} 5 \\ + \square \\ \hline 10 \end{array}$$

$$\begin{array}{r} 6 \\ + \square \\ \hline 9 \end{array}$$

$$\begin{array}{r} 4 \\ - \square \\ \hline 1 \end{array}$$

$$\begin{array}{r} \square \\ - 3 \\ \hline 2 \end{array}$$

### **WEEK IX**

Comparing and ordering things.

### Activities

- Naming objects
- Drawing objects
- Comparing objects
- Arranging things in order.

### **WEEK X**

Telling time

Calendar

### Activities

- reciting rhymes about time
- Naming days of the week
- Naming months of the year.
- Talking about the clock face.
- Telling the use of time.
- Showing time on a clock face.
- Telling time on a clock face.

### **WEEK XI**

Number games

### Activities

- |            |               |                    |
|------------|---------------|--------------------|
| - Dominoes | - songs       | - modeling         |
| - jig saws | - tearing     | - measuring        |
| - lotto    | - cutting and | - threading        |
| - rhymes   | pasting       | - follow direction |