

NUMBERS

TEACHERS' HANDBOOK

TOP CLASS LESSON NOTES



TERM 1 2024

Name:

School:

STANDARD CURRICULUM

TOP CLASS LESSON NOTES TERM I 2024

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LESSON NOTES FOR NUMBERS FOR TOP CLASS TERM I – 2024

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.

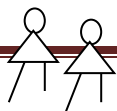
WEEK III

I can recognize numerals and enumerate them.

(Application of quantitative) e.g

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

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



$$0 \quad \textcircled{2} \quad 1 \quad =$$

- Draw pictures for the number

$$4 = \text{🍎} \text{🍎} \text{🍎} \text{🍎}$$

$$6 = \text{//} \text{//} \text{//} \text{//} \text{//} \text{//}$$

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

Arranging numbers in order. e.g

$$\begin{array}{ccccccccc} 3, & 0, & 1, & 2 & = & 0, & 1, & 2, & 3 \\ 5, & 3, & 4, & 2, & 1 & = & 1, & 2, & 3, & 4, & 5 \\ 2, & 1, & 3, & 4 & = & 1, & 2, & 3, & 4 \end{array}$$

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

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

Write the numbers after/before

3 —

-- 2

6 —

— 4

8 —

— 6

Activities

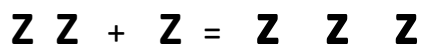
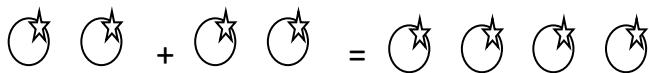
- Counting numbers
- Writing numbers
- Finding the missing numbers.
- Arranging numbers in order
- writing the number after
- Writing the number before.

WEEK V

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

Activity

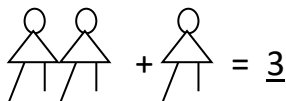
- Counting objects
- Drawing pictures
- Adding pictures
- Count, add and draw pictures e.g



Addition of objects/pictures

Activities

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



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

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

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.

2 	4 	3 
+ <u>2</u> 	+ <u>0</u>	+ <u>2</u> 
<u>4</u>	<u>4</u>	<u>5</u>

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  2 


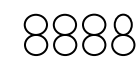
6  1 



7  3 

Underline the less number

5  2 

1  5 

3  8 

1  4 

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.

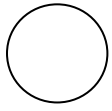
WEEK XI

Revision in some 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 – 2024

WEEK I



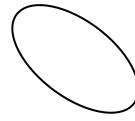
Circle



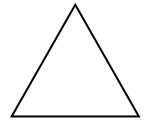
square



star



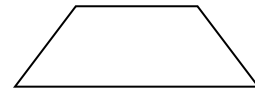
oval



triangle

Activities

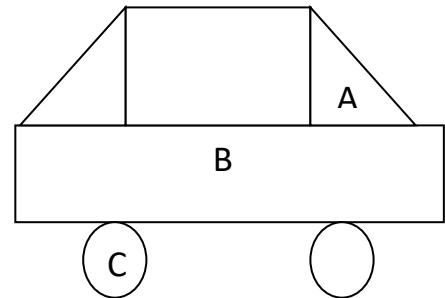
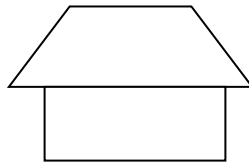
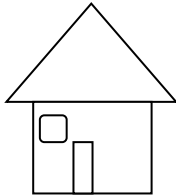
- Identifying and recognizing shapes.
- Pronouncing words correctly.
- Colouring shapes
- Matching words to pictures.
- Underline correct word for the given shape.
- Naming shapes



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


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


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

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 1 – 20

Adding three numbers e.g

$$1 + 1 + 1 = 3$$

$$4 + 2 + 4 = 10$$

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

Adding vertically

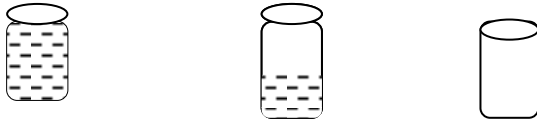
3	5	4
3	2	2
<u>+ 1</u>	<u>+ 6</u>	<u>+ 1</u>
<u>7</u>	<u> </u>	<u> </u>

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



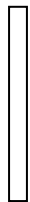
long

B



longer

C



longer

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)

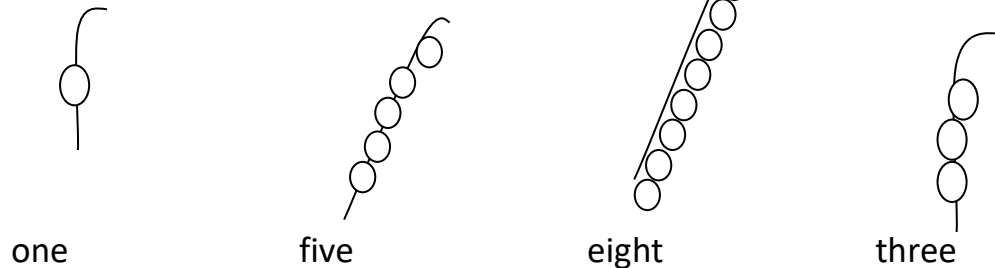
(zero, one, two, three, four, five, six, seven, eight, nine, ten)

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.

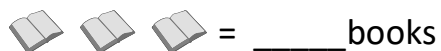


= two balls

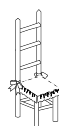


= _____

eggs



= ____ 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 – 2024

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 , 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 |