**LESSON NOTES**

**NUMBERS**

**TOP CLASS**

**TERM I**

**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 t he pictures
* Writing numbers in order.

**WEEK III**

I can recognize numerals and enumerate them.

(Application of quantitative) e.g

4 2 3 =

2 3 4 =

0 2 1 =

* Draw pictures for the number

4 =

6 =

Activities

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

**WEEK IV (From the smallestto the biggest)**

*Arranging numbers in order.* e.g

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

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

1 \_\_ 3 \_\_ 5

\_\_ 6 \_\_ 8 9 \_\_

\_\_ 0 \_\_ 2 3 4 \_\_ 6 \_\_

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

+ =

+ =

**Z Z** + **Z** = **z z z**

Addition of objects/pictures

Activities

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

+ = 3

+ = 4

+ = 2

**WEEK VI**

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

Activities

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

+ =

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

3 + 1= 4

2 + 2 = 4

1 + 0 = 1

Addition of numbers using balls.

2 4 3

+ 2 + 0 + 2

4 4 5

**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 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

**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.

B

A

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 c c = 3

a a a a a = 4

o o o o = 0

Activities

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

Take away involving numbers

5 - 1 = 4

4 - 2 = 2

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 = \_\_

10 – 4 = \_\_

3 2 5

- 2 - 0 - 5

\_\_\_\_\_\_ \_\_\_\_\_\_ \_\_\_\_\_\_\_

**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 =\_\_

Adding vertically

3 5 4

3 2 2

+ 1 + 6 + 1

7

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

A B

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

C

A **B**

long longer 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) Joy

Sara

Mary

tall taller 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 f or t he numbers.
* Fill in the missing letters
* Listen and write.

Introducing drawing beads.

Read and draw the beads

one five eight three

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

3 + 2 = 5

Five and one is six

5 + 1 = 6

Two and two gives four

2 + 2 = 4

Six and one gives seven

6 + 1 =

Five plus three equals eight.

5 + 3 = 8

Zero plus ten equals ten

0 + 10 = 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.

**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

4 3 3 5

3 2 - 1 - 2

+ 1 + 1

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

2 - two

3 - three

4 - four

5 - five, etc.

**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

By finding the missing number

Subtraction

5 + = 7 - 3 = 2 7 + = 10

Activities

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

5 6 4

+ + - - 3

10 9 1 2

**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
* jig saws
* lotto
* rhymes
* songs
* tearing
* cutting and pasting
* modeling
* measuring
* threading
* follow direction