

## PRIMARY ONE TERM ONE

## MATHEMATICS LESSON NOTES

## THEME 1: OUR SCHOOL

## Week 1

## SUB THEME 1: 1 PEOPLE IN OUR SCHOOL

## Lesson 1:

Naming people in our school by the title, name.

| The Principal | Mr. Opio Fred |
| :--- | :--- |
| The Head teacher | Akamplira Daniel |
| The Class teacher | Ms. Nabulya Angel |

Grouping people in school by sex

| He (man) | She (woman) |
| :--- | :--- |
| Head teacher | Nurse |
| Gatekeeper | Bursar |
| Cleaner (Paul) | Secretary |

Teacher Derrick Teacher Judith
Comparing similarities and differences according to shape or height or size;
What is similar about these two people?
Head teacher and the Gatekeeper.
What is different about these two people?
Children role play activities of people in school.

## For example

Cooking food
Treating the sick

## SUB THEME: PEOPLE IN OUR SCHOOL

Lesson 2:
Counting numbers 1-3 using concrete objects.
Pick items in 3s.
Recite a rhyme.
Singing a counting song.
There are yellow ducks swimming.

## N.B

Counting numbers 1 to 10 .
Write numbers 1 to 10.

## Lesson 3:

0 - One
00 - two
000 - three

- Sing a counting song
(Three yellow ducks swimming)
SUB THEM: PEOPLE IN OUR SCHOOL


## Lesson 4:

- Sing a counting song
- Counting numbers from (1-50) orally
- Count and match with numbers.

| 6 | IIIIIIIII |
| :---: | :---: |
| 7 |  |
| 8 | IIIIII |
| 9 | IIIIIIII |
| 10 | \||IIIII |

Ref: A new Pupils Book 1 Pg

## SUB THEME: PEOPLE IN OUR SCHOOL

## Lesson 5:

Counting numbers (1-50) orally
Count and write number symbols and their names.

| $\triangle \triangle \triangle$ | $=3$ | Three |
| :---: | :---: | :---: |
| $\bigcirc \bigcirc \bigcirc$ | $=4$ | Four |
|  | $=5$ | Five |

Ref: A new MK 2000 pupils Book page 15.

Match with number names.


Ref: A new MK 2000 Book 1 page 16

## Week 2:

## THEME: OUR SCHOOL

Sub theme: 1:2 Things in our school

## Lesson 1:

- Name different objects in the classroom. Chair, desks, tables, pencils
- Count and write numbers.


## SUB THEME: THINGS IN OUR SCHOOL

Children sort/group in class as follows.

- Objects in the class that we use when drawing or writing (chalk, pencil, book, chalkboard)
- Things we can sit on (chairs, desks)
- Objects that you have at school and at home, (tables, chairs, pencils, books)
- Count 1-5 objects and each group reports saying we have four things that help us to write.


## N.B:

Circle the odd man out.
(a) Pencil, chair, desk, mat.
(b) Book, chalk, table, pencil.

## SUB THEME: THINGS IN OUR SCHOOL

## Lesson 2:

- Children count the things they see around the school. For example buildings, trees, people.
- Children in groups collect things of the same kind e.g three leaves, four stones.
- Children name the groups of things they collected.

Count 1-5 objects.


A group of three $\qquad$

A group of four $\qquad$

A group of five $\qquad$

A group of three $\qquad$
Stones, trees, leaves, flowers.

## SUB THEME: THINGS IN OUR SCHOOL

## Lesson 3:

Children find out objects which have straight edges, corners, curved edges.
Straight edges: desks, tables, shelf.
Curved edges: cups, pots, crisp containers.

## THEME: OUR SCHOOL

## Lesson 4:

## SUB THEME: 1:3 ACTIVITIES IN OUR SCHOOL

Children collect all objects they can find on the ground.
Leaves, stones, sticks, flowers.
Learners make/form new sets


An empty set

A set of $\qquad$


Reference: Understanding mathematics Primary 1 pupil Book 1 page 3

## SUB THEME: ACTIVITIES IN OUR SCHOOL

## Lesson 5:

Children talk about activities done in our school.
Cleaning, sweeping, washing.

- Which activity is done by fewest children and which one by most children.
- Match the number of people to each activity.
- One child says cleaning the classroom and other says four.


Reference: Understanding mathematics primary 1 pupil's book page 4-9


3 washing


1
sweeping


2
digging

## Week 3:

## Lesson 1:

SUB THEME: ACTIVITIES IN OUR SCHOOL

## Comparing sets

Count the number of members in the set.


Set A has $\qquad$ members.

Set B has $\qquad$ members.

Ref: a new MK Pupils, Book 1 page 19

## SUB THEME: ACTIVITIES IN OUR SCHOOL

Compare sets using less than or more than

(a) set M has less members than set N
(b) Set N has $\qquad$ members than set $M$

## Lesson 2:

Join the sets

(b)

(c) Add objects


1

$+$ $\qquad$ $=$ $\qquad$

1. Reference: A new Mk primary Mathematics 2000 pupils book 1 pages 22-24, 26-28, 31-35.
2. Understanding mathematics primary 1 pupils book 1 pages 24-29.

## Lesson 3:

## SUB THEME: ACTIVITIES IN OUR SCHOOL

Counting numbers from (1-40)
Counting twos, threes and fours
Count in twos.
1, 2., $4,5,6,7,8,9,10,11,12$
Counting in threes
1, 2, 3., $5,6,7,8,9,10,11,12,13,14,15,16$
A new MK Pupils Book 1 page (84-102)

## SUB THEME: ACTIVITIES IN OUR SCHOOL

## Lesson 4:

Adding one, more orally using concrete objects.
000
$1+2=\quad 1+3=$
$1+4=$
$3+4=\quad 2+6=$


## SUB THEME: ACTIVITIES IN OUR SCHOOL

## Lesson 5:

Add the objects
Play a guessing game by one leading e.g 3 stones and others guessing where they are. Children take turns to give instructions.

Add

| $3+2+1=6$ |  | $2+0+$ |  |
| :--- | ---: | ---: | :---: |
| $4+1+2=$ |  | 3 | $3+3+3$ |
| 2 | 3 | 2 | 4 |
| 5 | +2 | +0 |  |

Match
000
3+4
$7+1 \quad 4$
$5+4 \quad 8$
$2+5 \quad 7$
$0+4$ 5

## Week 4:

THEME 2: OUR HOME

## Lesson 1:

### 2.1 SUB THEME 2:1 PEOPLE IN OUR HOME

Children group people in home into different groups for example who work at home and people who go out of the home each day to school or go to work.

Name the different people in their home
Father, mother, sister, brother.
SUB THEME: PEOPLE IN OUR HOME

- Identify the people in their home according to size and height.

Comparing using bigger than, smaller than, taller than, shorter than
Father is taller than mother.

- Children draw four members of their family according to their size.

- Count people in the family.
- There are $\qquad$ members in our family.


## SUB THEME: PEOPLE IN OUR HOME

## Lesson 2:

- Counting 1-10 (1-30)
- Add up to 5 using concrete objects.

Refer to theme: Our school
Sub theme: Activities in our school for the addition of numbers.

## Lesson 3:

## SUB THEME: PEOPLE IN OUR HOME

- Counting 1-10 (1-30)
- Recognizing number symbols (1-10)
- Writing number symbols and number names

2 two
7 $\qquad$
5 $\qquad$ 3 $\qquad$
8 $\qquad$ 6 $\qquad$

10 $\qquad$ 9 $\qquad$
1 $\qquad$ 4

Reference: understanding mathematics Primary 1 pupils Book 1 pages 11-21
A New MK Primary mathematics 2000 pupils book 1 pages 11-19

## SUB THEME: PEOPLE IN OUR HOME

## Lesson 4:

Counting 1-10 (1-50) using the number chart.

1. Writing number symbols before and after. (a) $\qquad$ , 1, $\qquad$
(b) $\qquad$ , 3 $\qquad$
(c) $\qquad$ , 7, $\qquad$
(d) $\qquad$ , 9 , $\qquad$

## Lesson 5:

2. Ring the bigger number
(a) 1 or 4
(b) 5 or 1
(c) 1 or 3
(d) 4 or 2
(e) 10 or 8
(f) 7 or 9
3. Tick the smaller number.
(a) 6 or 4
(b) 3 or 5
(c) 1 or 3
(d) 5 or 2
(e) 4 or 7
(f) 8 or 10

## Week 5:

## THEME 2: OUR HOME

## Lesson 1:

## SUB THEME: ROLES AND RESPONSIBILITIES OF FAMILY MEMBERS

- Name different objects according to kind.
- Name the object in a set.
- Introduce time with morning, afternoon, and night time.
- Morning; got up, had breakfast, walked to school.
- Children tell what they do in the morning, what they will do tomorrow morning, afternoon and night time.
- Write activities done at different times.

In the morning, I get up.
I wash my face.
I take breakfast
I walk to school.
In the afternoon, I play
I go back home.
I eat lunch.
At night time.
I eat supper.
I go to sleep.

## Reference:

1. Understanding mathematics primary 1 pupils book 1 page 82
2. A New MK Primary Mathematics 2000 Pupil's Book 1 pages 108-120

SUB THEME: ROLES AND RESPONSIBILITIES OF FAMILY MEMBERS.

## Lesson 2 :

Telling and showing time


It is $\qquad$ o' clock

Show the time


It is $\underline{\mathbf{9}} \mathrm{o}^{\prime}$ clock.

It is $\qquad$ o'clock


It is 10 o' clock

## SUB THEME: ROLES AND RESPONSIBILITIES OF FAMILY MEMBERS.

## Lesson 3:

- Counting 1-10 Orally (1-30)
- Matching number symbols to picture or words.


## MATCH

1. 0
2. 10 twenty

9 eleven
20 thirteen
11 nine
13 ten

## SUB THEME: ROLES AND RESPONSIBILITIES OF FAMILY MEMBERS

## Lesson 4:

- Counting 1-10 (1-30)
- Adding up sums using concrete objects

How many are there altogether if 1 add 2 star and 4 stars.
Response: Adding 2 stars to 4 stars equals 6 stars
6 cups and 2 cups equals $\qquad$ cups

2 pots and 4 pots equals $\qquad$ pots

I book plus 3 books give $\qquad$ books

3 plus 2 give $\qquad$
4 plus 4 give $\qquad$
6 pus 2 make $\qquad$

0 plus 7 make $\qquad$

## SUB THEME: ROLES AND RESPONSIBILITIES OF FAMILY MEMBERS

## Lesson 5:

Counting 1-10 (1-30)
Naming different activities done by family members.
Cooking, washing, sweeping, digging.
Matching activities

Cooking


Digging


Washing


Sweeping


Fill in the missing numbers
1, 2, $\qquad$ , 5, $\qquad$ 8, $\qquad$

11 $\qquad$ ,13, $\qquad$ 16, $\qquad$ 19, $\qquad$

## Week 6:

## THEME: OUR HOME

## Lesson 1:

## SUB THEME 23: THINGS IN OUR HOME

Naming different things found in a home
Cups, glasses, plates
Mats, chairs, tables.
Sorting and grouping according to their uses.
Talk about shapes and draw the shapes.

1. Name the sets


This is a set of $\qquad$

This is a set of $\qquad$

This is a set of $\qquad$

## Lesson 2:

2. Draw the shapes.
Circle
Rectangle
Square
Triangle
3. Underline the odd man out

| (a) | Cup | glass | chair |
| :--- | :--- | :--- | :--- | plate

## Lesson 3:

## SUB THEME: THINGS IN OUR HOME

- sorting and grouping things in a home.
- Counting 1-10 (1-30)
- Write number symbols in words.


## Count and write in words.

How many are there?


There are $\qquad$ cups.

There are $\qquad$ balls.

There are $\qquad$ chairs.

There are $\qquad$ books.

Reference: Understanding Mathematics Primary 1 Pupils' Book 1 Page 20.

## Lesson 4:

## SUB THEME: THINGS IN OUR HOME

- Naming objects found in a home.
- Counting up to 10. (30)
- Adding objects.

1. Ann has 4 cups

Alice has +2cups
They both have $\qquad$
2. Martha has 5 spoons

Paul has +3 spoons
They both have $\qquad$ spoons.
3. Peter has 4 chairs

John has $\quad+3$ chairs
They both have $\qquad$ chairs.

## Lesson 5:

## SUB THEME: THINGS IN OUR HOME

- Naming objects found in a home
- Counting up to 20.
- Adding objects.
- Read and show the working.

1. Ali has two balls.

Mary has three balls.
How many balls do they have altogether?
2. Mary has three cups.

Alice has four cups.
How many cups do they have altogether?
3. Stella ate two bananas.

Rose ate four bananas.
How many bananas did they eat altogether?

## Week 7

THEME 3: OUR COMMUNITY

## Lesson 1:

## SUB THEME: 3.1: THE PEOPLE IN OUR COMMUNITY

- Counting people / objects 1-20.
- Children name different people in the communitye.g teachers, doctors, nurses, drivers.
- Forming sets

Group people - people who have a job, who have a uniform, who stay at home.

Write number names 1-20

| 1 | One | 12 | twelve |
| :--- | :--- | :--- | :--- |
| 11 | eleven | 13 | thirteen etc |

## Lesson 2:

## SUB THEME: PEOPLE INB OUR COMMUNITY

Counting 1-20, for example; one woman, two women, three women.
One person, two people, three people.
Count objects then take away.
$5-2=$
$8-6=$
$4-0=$
$9-9=$
8
$-5$
7
$-4$
5
$\qquad$
6
$\qquad$

Lesson 3:

## SUB THEME: PEOPLE IN OUR COMMUNITY

- Counting on their fingers and toes as they count up to 20.
- Playing a game of "odd man out" for example;
- Teacher, driver, goat
- House, nurse, doctor.


## Take away.

3 take away 1 is $\qquad$

7 take away 5 leaves $\qquad$
8 take away 3 equals $\qquad$
6 take away 2 is $\qquad$
7 sticks take away 2 sticks leaves $\qquad$ sticks.

5 books take away 3 books leaves $\qquad$ books.

Six cups take away three cups leaves $\qquad$ cups.

Four pencils take away two pencils leaves $\qquad$ pencils.

## Lesson 4:

SUB THEME: PEOPLE IN OUR COMMUNITY.
Revise counting 1-20 (1-50)
Matching number symbols to number words.
Filling in missing numbers.
i) $\quad 1,2,3, \ldots, \ldots, 6, \ldots, 8, \ldots 10$
ii) $\quad 12 . \ldots, 14,15, \ldots 17, \ldots, 19,20$

Take away
a) Adam had 7 bananas.

He gave away -1 banana
Now he has ___ bananas
b) Baguma had 5 sweets

He gave away -2 sweets
Now he has $\qquad$ sweets.
c) A teacher had 4 books

She gave away - 2 books
Now she has $\qquad$ books.

## Lesson 5:

SUB THEME: PEOPLE IN OUR COMMUNITY.

Revise counting 1-20 (1-50)
Matching exercise of numbers to objects / words.
Counting the objects and the number charts.
Fill in the missing numbers.

## Take away

John has five eggs.
He gave two eggs to Tom.
How many eggs were left?
Peter had six books.

He gave four books to James.
How many books were left?
Sarah had four sweets.

She gave two sweets to Mary.
How many sweets remained?

## Week 8:

THEME 3: OUR COMMUNITY

## Lesson 1:

SUB THEME: ACTIVITIES IN OUR COMMUNITY.
Naming different activities;
Washing, digging, fishing, etc.
Revise the times of the day;
Morning , afternoon, night time.

Understanding Mtc Pri.1 Pupils Bk 1 Pages 80 -81
Telling days of the week.
What day is it today?
What day was it yesterday?
What day will it be tomorrow?
What day comes after Friday?
Name of the days of the week;
Sunday, Monday, Tuesday, Wednesday, Thursday, Friday, Saturday.

## Lesson 2:

## SUB THME: ACTIVITIES IN OUR COMMUNITY.

Measuring capacity of containers.
Find out which one holds more / less than the other.

- A bottle or a jug?
- A cup or a glass?
- A basin or a gourd?
- Which of these containers are full?
- Which are empty?


## Lesson 3:

## SUB THEME: ACTIVITIES IN OUR COMMUNITY.

Revise counting 1-30
Revise number symbols and number words.
Adding with concrete objects up to 10 (20)
$00 \quad 00000$

Two plus seven is nine.
Ten plus one equals $\qquad$
Six plus two make $\qquad$
Four and three make $\qquad$

## Lesson 4:

## SUB THEME: ACTIVITIES IN OUR COMMUNITY.

Counting up to 20 (30)
Understanding MtcPri. Pupils Bk 1 Page 34.

## Adding

Practice these sums above 10 with their sticks.
Make a bundle of ten sticks and then add one.

## IIIIIWI I

10 and $1=11$ eleven
IIIIIIII ||

10 and $2=12$ twelve


10 and $10=20$ twenty
IIIIIIII III
$10+3=13$ thirteen
IIIIIIIIIIIII
$10+5=15$ fifteen

## Lesson 5:

## SUB THEME: ACTIVITIES IN OUR COMMUNITY

Counting 1-20.
Adding with concrete objects.
Playing missing number game.
$4,5,6, \square$


Story sums / word problems involving addition.
Understanding Mtc Pri. 1 Pupils Bk 1 page 23.
Masibo has three plates.
Atwine has three plates.
How many plates are there altogether?
John has two balls.

Mark has five balls.
How many balls are there altogether?

## Week 9:

THEME 3: OUR COMMUNITY

## Lesson 1:

## SUB THEME 3: 3 IMPORTANT PLACES IN OUR COMMUNITY.

Counting 1-20
Naming different places in their community and talk about them.
Schools, hospitals, churches.

- Writing number symbols.
- Matching number symbols to number cards.


## Lesson 2:

## SUB THEME: IMPORTANT PLACES IN OUR COMMUNITY.

UnderstandingMtcPri. 1 Pupils Bk 1 page 7
Recognizing sets with no members (empty sets)
Draw empty sets.
Introduce 'O' as a symbol and a place holder.
Count the number of members in given sets of which some have no members.
Encounters will be drawn on the floor and in each.


Objects will be put and some will be left empty.
A set of cups

A set with no members

Understanding MtcPri. 1 Pupils Bk 1 Page 16.

## Lesson 3:

## SUB THEME: IMPORTANT PLACES IN OUR COMMUNITY

Recognizing sets with no members.
Count sticks 1 to 5 . Then give the five sticks to children and ask the how many you have left. The answer is zero.

The concept of zero
Counting the number of objects remaining whenever one is taken away until they come to zero.

1

3 oranges on the table. John takes away one. How many are left?

2 oranges


John takes away one.
How many are left?
Ali takes away one.
1 orange


How many are left?
0 Zero

## Lesson 4:

## SUB THEME: IMPORTANT PLACES IN OUR COMMUNITY

Counting 1-20
Adding sums to 20 showing how to use bundles of ten.
I"!
10 and $4=14$

10 and $10=20$ etc.
Call out different sums between 2 and 20 e.g

5 and 7 make $\qquad$ 2 and 7 give $\qquad$
3 and 9 give $\qquad$ 8 and 0 make $\qquad$

## Lesson 5:

SUB THEME 3: 3 IMPORTANT PLACES IN OUR COMMUNITY.

Matching symbols to domino card (0-9)
Drawing shapes
Circle
triangle
rectangle
square

Name the shapes


Week 10:
THEME 4: THE HUMAN BODY AND HEALTH

## Lesson 1:

SUB THEME: 4:1 PARTS OF THE BODY AND THEIR FUNCTIONS.
Counting 1-10.
Name the parts of the body;
Ears, eyes, fingers, hands
A finger is part of the hand.

It is smaller than a hand.
Add using a number line.


$$
3+4=7
$$

## Lesson 2:

## SUB THEME: THE PARTS OF THE BODY.

- Form sets of different body parts.
- A set of ears.
- A set of hands.
- Count members in the sets.


Set A has $\qquad$ members.

Set B has $\qquad$ members.

Compare sets by number of members in each set.
"more than", "less than" same as"
C


Set C has $\qquad$ set D

Set D has $\qquad$ set C


Set $E$ is the $\qquad$ set $F$.

## Lesson 3:

SUB THEME: THE PARTS OF THE BODY
Drawing body parts.
Eyes
Ears
Nose

## $\Leftrightarrow \Leftrightarrow\left[\begin{array}{c}{[ } \\ 3\end{array}\right.$



How many altogether?
How many legs?

$\qquad$ $+$ $\qquad$ $=$ $\qquad$
How many eyes?

$\qquad$ $+$ $\qquad$ $=$ $\qquad$
Writing number symbols $0-15$

## Lesson 4:

Sub theme: the parts of the body.

- Counting 0-40
- Writing number symbols 16 - $20(0-40)$
- Name the body parts.

Measure parts of the body using non- standard measures e.g string, stick, hand, span.

Report using the vocabulary;
Bigger, smaller, longer, shorter.
The finger is shorter than the leg.
The head is bigger than the eye.

## Lesson 5:

## Sub theme 4:2 Personal hygiene

Counting numbers (1-40)
Telling time according to the months of the year

1. January
2. July
3. February
4. August
5. March
6. September
7. April
8. October
9. May
10. November
11. June
12. December

Qn. How many months make a year?
What is the last month of the year?
Reference: A New MK 2000 Pupils Book 1 page 115.

## Week 11:

## Lesson 1 :

## SUB THEME: PERSONAL HYGIENE

Count numbers (20-50)
Filling in the missing letters

1. Jan _-a_-y
2. J_I_
3. F__brua_-y
4. A_g_s $\dagger$
5. _-ar_h
6. S__pt_mber
7. A _ril
10.__ctober
8. $\mathrm{Ma}-$
9. Nov_emb_r
10. J_ne
11. D__c_mbe_
$\qquad$
Qni. What is the $2^{\text {nd }}$ month of the year?
Reference: A New MK 2000 Pupils Book 1 page 115-118.

## Lesson 2:

## SUB THEME: PERSONAL HYGIENE

- Tell the months of the year start with letter J?
- Telling the time


It is $\qquad$ o'clock


It is $\qquad$ o' clock

Show time


It is 7 o' clock
Reference: A New MK 2000 Pupils Book 1 page 123

## Lesson 3:

SUB THEME: PERSONAL HYGIENE

Naming thematerials we use to clean our bodies.
Soap, sponge, towel, brush, tooth brush, basin
Match materials to the words.


Sponge


Basin


Soap

## Lesson 4:

Compare the weight by using heavier or lighter


Soap is $\qquad$ than a tooth brush


A sponge is $\qquad$ than a basin

Reference: A New MK 2000 Pupils Book 1 page 135-136.

## Lesson 5:

## SUB THEME: PERSONAL HYGIENE

Adding numbers horizontally
(a) $3+2=5$
(d) $3+2+1=$ $\qquad$
(b) $6+5=11$
(e) $7+3+2=$ $\qquad$
(c) $5+4=9$
(f) $6+3+4=$ $\qquad$

## Week 12:

THEME: HUMAN BODY AND HEALTH

## Lesson 1:

## Sub theme: Diseases

Find the missing number
(a) $2+3=5$
(b) $4+\square 6$
(c) $2+\square=7$
(d) $\square+3=6$

Reference: A New MK Pupils' Book 1 page 49-53.

## SUB THEME: DISEASES

Mentioning common diseases we know i.e cough, flue, fever, diarrhea
Take away horizontally
(a) $5-2=3$
(d) $10-5=$
(b) $7-4=3$
(e) $9-3=$
$\qquad$
(c) $12-3=$ $\qquad$ (f) $7-6=$ $\qquad$

Count numbers (1-80)
Find the missing number
(a) $5-\square=3$
(d) $10-\square=5$
(b) $7-\square=3$
(e) $9-\square=6$
(c) $12-\square=9$
(f) $7-\square=1$

Reference A new MK pupils' book 1 page 60-61.

## Lesson 3:

## SUB THEME: DISEASES

Find the missing number
(a)

(d) $\square$ $5=5$
(b)$-3=4$
(c) $\square-3=9$
(e) $4=5$
(f) $\quad \square-6=1$

Reference A new MK pupils' book 1 page 61-62.

## Lessons 4 and 5:

## Sub theme: Diseases

Counting numbers 1-50
(a) Count in twos
$13 \Omega 56 \Omega 4889101112$
Pattern
2,4, $\qquad$ , $\qquad$ ,
(b) Count in threes


16171819

Pattern
3,6, $\qquad$ , —, ,
(c) Count in fives

12346789


2930

## Pattern



