**P.3 MATHEMATICS LESSON NOTES FOR TERM I**

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| **Date** | **Time** | **No. of pupils** |
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**THEME** : Our sub – county

**SUB-THEME** : Set concept

**SUB- TOPIC** : Naming and writing sets

**COMPETENCES**  : The learner

* Tells the meaning of a set
* Names and writes sets

**METHODS :** Explanation - Question and answer technique.

**T/ L AIDS :** Real objects like pencils, counter books

**REF :** Mk pupils bk 3 pg 1

**Content :** Naming and writing sets ( out of class lesson)

A set is a collection of well defined members or elements

**Naming sets**

**Examples**

Name these sets

1. Set A = a, e, i, o, u

Set A is a set of vowel letters

1.  A set of 3 cars.

Activity

1. Lets name these sets

0, 1, 2, 3, 4,5

1. Lion zebra monkey

buffalo

1. Aisha Joy Sarah
2. Oranges pineapples

mangoes

2. 

**Writing sets**

Examples

1. A set of the first three letters of the alphabet

The set is {a, b, c }

1. A set of 3 common shapes

The set is { }

Activity

1. Draw down these sets
2. A set of 3 pet animals.
3. A set of any three examples of fruits.
4. A set of four apples.
5. A set of five balls
6. A set of number one to ten
7. A set of vowel letters
8. Name the sets



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

a, e, i, o, u \_\_\_\_\_\_\_\_\_\_\_

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**THEME** : Our sub – county

**SUB-THEME** : Set concept

**SUB- TOPIC** : Listing members of a set

**COMPETENCES**  : The learner

* Identifies the set given
* Lists elements from given sets

**METHODS :** guided discovery, illustration

**T/ L AIDS :** Real like straws

**REF :** Mk pupils bk 3 pg 13

**Content :** Listing members of a set

When listing members of a set, we use these symbols.

1. Curly brackets { } which opens and encloses the members.
2. Commas , which separates the members from the other.

**Examples**

**Members in set P are {**Annie, Ali, Asha}

Or P = { Annie, Deo, Isaac, Asha}

P

Annie

Deo Ali

Asha

**Activity**

1. List members of the set below

U S

1. 1 2. Mary

2 3 Alice, John

Moses

N S

3. cup plate 4.

Fork spoon

 P R

5. cow cat 6.

D:\Drawings\english pictures\girl.tif goat dog

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**THEME** : Our sub – county

**SUB-THEME** : Set concept

**SUB- TOPIC** : Types of sets

**COMPETENCES**  : The learner

* Defines an empty set/ Null set/ void set
* Reads, spells and pronounces the word empty, void, null set

**METHODS :** guided discovery, observation

**T/ L AIDS :** Use of life situation

**REF :** Mk pupils bk 3 pg 3 - 6

**Content :** Empty set/ Null/ Void

An empty set is the same as null set, void set or empty set.

An empty set is a set without members.

Symbols of an empty set, null, void set are or { }

**Examples**

1. The set of pupils over 45 years old in your class.

It is impossible to have a primary 3 pupils with 45 years so we say it is empty set.

1. The set of buses with three wheels

It is an empty set.

1. The set of cows with 2 legs = { }

It is an empty set

Activity

1. Write empty or not empty on the following statements
2. The set of days of the week starting with letter Z
3. The set of animals with 4 legs each.
4. The set of dogs with 4 legs each
5. A set of boys who can fly like birds
6. A set of insects who can fly
7. The set of goats with horns
8. A set of pupils in our class who write with red pens.
9. A set of cows with ten legs each.
10. The set of flying fish.
11. A set of 2 hens with 4 wings
12. Give two examples of an empty set.