AIMS
African Institute for
Math NEXT EINSTEIN INITIATIVE

## SAMPLE LESSON: MATHEMATICS

## Class: Form 2

Title of Module: Elementary Statistics and Probability
Title of Chapter: STATISTICS

Title of Lesson: Collection and representation of discrete data
Duration of Lesson: on a Frequency distribution table

School: G.B.P.H.S Yaoundé
Class: Form 2D Sequence: 4 Duration: 50 minutes Date: 23 ${ }^{\text {rd }}$ of Feb. 2018
Class Enrolment: M=23, F=22, T=45
Module 8: Elementary Statistics and Probability

## Topic: STATISTICS

Lesson: Collection and representation of discrete data on a Frequency distribution table
Objectives: At the end of this lesson the students should be able to:

- Collect raw data.
- Draw up a frequency distribution table using the raw data collected.
- Represent the information on the frequency distribution table.

Motivation: statisticians study how often a particular event or situation occurs. For example, they may want to find out how often a road accident is caused by a pedestrian, by a drunk driver, by a faulty vehicle and so on. To do this they study the frequency of the events.

Prerequisite: know methods of data collection studied in module 4.
REFERENCE: - August 2014 Mathematics teaching syllabus Form two. Ministry Of Secondary Education, Cameroon

- Andrew T. Tamabang (2007) form 2 Mastering Mathematics, (1 ${ }^{\text {st }}$ edition) Cambridge university press. -website: superteacher.com


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| Stages/Durati <br> on | Teaching / learning Activities | Teacher's Activities | Students' Activities | Learning Points |
| :--- | :--- | :--- | :--- | :--- |
|  | 1)From the tally table, complete <br> the above table. <br> 2)What is the row with the <br> number of students called? <br> 3)What name is given to such a <br> table? | Asks students to <br> attempt the exercise <br> individually. Moves <br> round the class to <br> check on students' <br> work. | ascending order of magnitude with their <br> corresponding frequencies. |  |
| Summary <br> (3mins) | Frequency is how often <br> something occurs. <br> By counting frequencies <br> we can make <br> a Frequency <br> Distribution table. | Teacher <br> summarizes activity <br> and answers <br> learners' questions <br> if any | copy |  |

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| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $\begin{aligned} & \text { Conclusion } \\ & (10 \text { mins. } \end{aligned}$ | Homework <br> 1)Mastering maths book1 page <br> 263 activity <br> 2 A frequency distribution table was used to draw the graph below. <br> a) what is the name given to such <br> a graph ? <br> b) Using the graph copy and complete the frequency table below. |  |  | Writes the references from textbook. Writes question 2 on the board. |  |  | copy |  |
|  | Kind of fruit <br> NO of <br> students | Oranges | Apples | Bananas | Grapes | Pears |  |  |

