GRADE 10 ESSENTIAL MATHEMATICS TERM 3 LESSON PLANS – MASTER

Grade 10 Mathematics LESSON PLAN: Week 1, Lesson 1

SCHOOL	LEVEL	LEARNING AREA	DATE	TIME	ROLL
.....	Grade 10	Mathematics	.....	.....	.....

WEEK 1: LESSON 1

Strand:

Statistics and Probability

Sub Strand:

Statistics – Frequency Distribution Table for Ungrouped Data

Specific Learning Outcomes:

By the end of the lesson, the learner should be able to:

- Organise raw ungrouped data into a frequency distribution table using tallies.
- Read and interpret a completed frequency distribution table.
- Show orderliness and accuracy in collecting, recording and organising data.

Key Inquiry Question(s):

- How does a frequency distribution table help us make sense of a large set of data?

Core Competencies, Values, and PCIs:

Core Competencies	Values	PCIs
Critical thinking and problem solving	Respect	Decision-making
Communication and	Integrit	Self-

Core Competencies	Values	PCIs
collaboration	y	awareness

Learning Resources:

- Master Essential Mathematics Grade 10 pg. 160
- Exercise books, ruler, pencil, reference books

Organization of Learning:

Introduction (5 minutes):

- Introduce raw data by displaying an unorganised list of numbers on the board.
- Prompt learners to share initial observations on why raw lists are difficult to interpret quickly.

Lesson Development (25 minutes):

- **Step 1:** Guide learners through the key components of a frequency distribution table (data value, tally marks, frequency).
- **Step 2:** Demonstrate the tallying convention where every fifth tally crosses over four vertical strokes.
- **Step 3:** Have learners in pairs collect a small class dataset (e.g., shoe sizes or number of siblings) and construct a tally chart.
- **Step 4:** Facilitate group sharing where learners convert tallies into numerical frequencies and verify total frequency counts.

Conclusion (10 minutes):

- Conduct a short question-and-answer session on reading total observations directly from frequency tables.
- Summarise how grouping items into frequency tables reduces clutter and aids counting.

Extended Activities:

- Collect data on the number of subjects studied each evening by five peers and record it in a frequency table.

Teacher Self-Evaluation:

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