

EaD Comprehensive Lesson Plans



or



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<https://www.TeachersAvenue.net>

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BASIC 7

WEEKLY LESSON PLAN – WEEK 8

Strand:	Data		Sub-Strand:	Data and Probability	
Content Standard:	B7.4.1.1 Select, justify, and use appropriate methods to collect data (quantitative and qualitative), display and analyze the data (grouped/ungrouped) presented in frequency tables, line graphs, pie graphs, bar graphs or pictographs and use these to solve and/or pose problems				
Indicator (s)	B7.4.1.1.1- Select and justify a method to collect data (quantitative and qualitative) to answer a given question. B7.4.1.1.2- Design and administer a questionnaire for collecting data to answer a given question(s) and record the results. B7.4.1.1.3- Organise and present data from a survey into a table and/or chart, and analyse it to solve and/or pose problems.		Performance Indicator: Learners can identify the methods of collecting data.		
Week Ending					
Class	B.S.7	Class Size:		Duration:	
Subject	Mathematics				
Reference	Mathematics Curriculum, Teachers Resource Pack, Learners Resource Pack, Textbook.				
Teaching / Learning Resources	Chart, Metre Rule, Compass, divider, Poster, Pictures.		Core Competencies:	<ul style="list-style-type: none">• Implement strategies with accuracy• Ability to combine Information and ideas from several sources to reach a conclusion• Implement strategies with accuracy	
DAY/DATE	PHASE 1 : STARTER	PHASE 2: MAIN			PHASE 3: REFLECTION

MONDAY	Learners brainstorm to explain quantitative and qualitative data.	<p>1. In small groups, learners discuss and write down how they would make decisions in the following situations, what facts they would take into account and how they would collect these 'facts.</p> <p>(a) The type of drinks to buy for a class party. (b) The make of football boots to buy for the school team (c) Do people who eat more fufu develop pot belly? (d) The number of desks in each classroom (e) The amount of money B6 students spend on bus fare to school every month. (g) Buy a mobile phone from an online shop</p> <p>2. Discuss the methods of collecting data with the Learners.</p> <p>3. Learners brainstorm to collect facts about using the following methods;</p> <ul style="list-style-type: none"> ▪ Questionnaires ▪ interview ▪ observation ▪ experiments ▪ survey ▪ databases ▪ electronic media or internet 	<p>Reflect on the method of collecting data.</p> <p>Exercise;</p> <ol style="list-style-type: none"> 1. State 5 ways of collecting data. 2. Write the steps to follow to collect facts about using the following methods; <ul style="list-style-type: none"> ▪ Questionnaires ▪ interview ▪ observation ▪ experiments ▪ survey ▪ databases ▪ electronic media or internet
TUESDAY	Review Learners knowledge on the previous lesson.	<ol style="list-style-type: none"> 1. Discuss the steps to follow to design a questionnaire with the Learners. 2. Learners are to be guided to design a questionnaire 3. Discuss 4 ways of administering a questionnaire. <p>Questionnaire Design</p> <ol style="list-style-type: none"> 1. Step 1: determine the survey objectives, resources, and time constraints. 2. Step 2: determine how the questionnaire will be administered. 3. Step 3: determine the question format. 4. Step 4: writing clear questions. 5. Step 5: designing the question flow. 6. Step 6: questionnaire evaluation. 	<p>Through questions and answers, conclude the lesson.</p> <p>Exercise;</p> <p>Explain 4 ways of administering a questionnaire.</p>

4 ways to administer a Questionnaire;

1. Face-to-face
2. On Phone
3. Online
4. On Paper.



THURSDAY

Learners brainstorm to explain the meaning of Tally and Frequency.

1. Assist Learners to use tallies to organize a frequency table.
2. Learners in small groups to draw bar graph to illustrate the data in the frequency table.
3. Assist Learners to use tallies to organize into a frequency table the data below which was obtained by a group of learners for the number of people living in households around their houses.
4. Learners individually to draw a pie chart to illustrate the data in the frequency table

Eg. The marks of 25 students in standard IX in a particular school. The scores are as follows:

41, 53, 64, 31, 53, 33, 70, 61, 74, 32, 53, 56, 56, 64, 56, 88, 28, 70, 56, 64, 74, 53, 53, 61, 31.

Draw a frequency table for the above data.

Scores	Tally marks	Frequency
28		1
31		2
32		1
33		1
41		1
53		5
56		4
61		2
64		3
70		2
74		2
88		1
Total		25

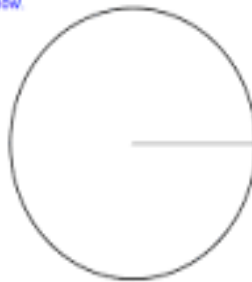
Assist Learners to write a conclusion about the number of people living in the households and answer questions about the pie chart

Pie Charts

Learning Objective: Construct and interpret a pie chart.

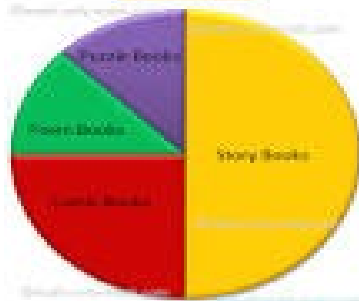
36 people were asked about the make of their mobile phone.
The results are shown in the frequency table below.

Mobile Phone	Frequency	
Apple	12	
Samsung	9	
HTC	8	
Sony	6	
Nokia	1	



Draw a pie chart to represent this data.

Pie Chart



Name of Teacher:

School:

District: