SAMPLE LESSON: MATHEMATICS

## Class: Form 2

Title of Module: Elementary Statistics and Probability
Title of Lesson: Probability Scale

Title of Chapter: Probability
Duration of Lesson: 55 minutes

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## SCHOOL: TTP COP;

TERM: $\mathbf{2}^{\text {nd }} ;$
DATE

Class: Form 2;
Number on Roll: $\qquad$ ; Girls: $\qquad$ Boys: $\qquad$

Module: Elementary Statistics and Probability

## Topic: Probability

Lesson 2: Probability Scale
Duration: 60mins

## Objectives:

Learners will be able to place events on the scale based on the likelihood of that event.

## Pre-requisite:

Learners can say how likely an event is to occur and classify events from impossible events to events that are certain to occur.
Preparation for the $\mathbf{3}$ lessons on probability for this class:

1. Games prepared (If you intend to use a game)
2. Gather Materials such as:

|  |  |
| :--- | :--- |
| Coins of 50frs and 100frs |  |
| As many as you can provide. |  |
| (If your students are not to be trusted, tell |  |
| them the day before that they will need |  |
| coins during the next lesson. They will |  |
| therefore bring) |  |

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Dice
Bring dice according to number of groups
Buttons of different colours.
Buy buttons of different colours. Make
small bags and put them in before coming
to class. These can be used for different
activities over the years

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Create spinners from manilla papers and colour the sectors or number them


Photocopy Worksheets according to intended number of groups
3. Read through lesson plan and print out if necessary
4. Type and print out problem situation OR write out on cardboard paper (large characters) that will be pested on the wall for all to see.
References:

1. https://www.bing.com/search?q=spinner+for+games\&form=EDNTHT\&mkt=en-
us\&httpsmsn=1\&refig=e7060f073dc1451dbcbaa690e12e2ec2\&sp=2\&qs=HS\&pq=sp\&sk=HS1\&sc=8-2\&cvid=e7060f073dc1451dbcbaa690e12e2ec2\&cc=US\&setlang=en-US
2. https://www.onlinemathlearning.com/probability-of-an-event.html
3. https://www.mathsisfun.com/probability_line.html
4. Modular Mathematics for GCSE, Brain Gaulter and Leslye Buchanan, (1994) Oxford University Press
5. Mathematics 7, Nelson Thornes (2003)
6. Ordinary Level Mathematics, Piankeh Albert, (2011), Mbosso Publishers Bamenda

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| Stages / <br> Duration | Teaching / Learning Activities |  | Learning Points | Observations |
| :---: | :---: | :---: | :---: | :---: |
|  | Teacher's Activities | Learners' activities |  |  |
|  | B) If a die is rolled, then which of the following events is neither certain nor impossible? <br> i) Rolling a number less than 7. <br> ii) Rolling an even number. <br> iii) Rolling a zero. <br> The likelihood of these different events can be displayed on a Probability Scale | Students copy this last part of the introduction into their note books | B) <br> i) is Certain. <br> ii) is equally likely <br> iii) is impossible |  |
| Probability Scale | The possibility (or likelihood) of an event occurr <br> A scale below shows the chance of things happe $\qquad$ <br> No chance <br> Poor chance <br> The probability of an event occurring is somewh Using numbers, probability can range in between The probability of Impossible event is 0 The probability of an event that is Certain is 1. <br> As fractions: | n be display on a p <br> ly More likely <br> n chance <br> tween Impossible <br> 1. | probability scale as below: <br> Good chance <br> Certain <br> nd Certain. | Copy this diagram of the probability scale and share with learners to put in their books. |

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|  | 1 <br> 5 <br> 3 | $2$ $4$ |  | draw and represent |
| Conclusion | All events that are Certain have a probability of 1. All Impossible events have a probability of 0 |  |  |  |

