



MATATAG

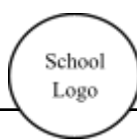
Bansang Makabata



Batang Makabansa



BAGONG PILIPINAS



School
Logo

Name of School:		Quarter:	4th Quarter
Grade Level & Section:	Grade 7	Week:	Week 6 Day 5
Subject:	MATHEMATICS	Date and Time:	
Topic:		Teacher:	

I. CONTENT, STANDARDS AND LEARNING COMPETENCIES		ANNOTATIONS
A. CONTENT STANDARDS	The learners should have knowledge and understanding of outcomes from experiments.	
B. PERFORMANCE STANDARDS	By the end of the quarter, the learners are able to gather data from experiments and represent the data in different forms.	
C. LEARNING COMPETENCIES	Learning Competencies By the end of the lesson, the learners ... 1. Collect data from experiments (e.g., number of heads obtained when tossing a coin, number of times, number of prime numbers obtained when rolling a die). 2. Express outcomes in words and/or symbols and represents outcomes in tables and/or graphs.	
D. LEARNING OBJECTIVES	Objectives 1. Accurately collect data from experiments. 2. Correctly determine and identify the experiment, outcomes, sample space, and events in a given situation. 3. Accurately count and list the number of occurrences of an outcome in an experiment.	
I. CONTENT		

Experiments, Sample Space, Simple Events, and Outcomes

II. LEARNING RESOURCES

A. REFERENCES

B. OTHER LEARNING RESOURCES

National Repository of Online Courses (2023, December 17). Sample spaces, events and their probabilities. LibreTexts Mathematics.

[https://stats.libretexts.org/Bookshelves/Introductory_Statistics/Introductory_Statistics_\(Shafer_and_Zhang\)/03%3A_Basic_Concepts_of_Probability/3.01%3A_Sample_Spaces_Events_and_Their_Probabilities](https://stats.libretexts.org/Bookshelves/Introductory_Statistics/Introductory_Statistics_(Shafer_and_Zhang)/03%3A_Basic_Concepts_of_Probability/3.01%3A_Sample_Spaces_Events_and_Their_Probabilities)

Big Ideas Math (2023, December 17). Experimental Probability.

https://www.bigideasmath.com/protected/content/ipe/grade%207/09/g7_09_03.pdf

Manitoba Education and Training (2023, December 17). Experiment, Event, Outcomes, Sample Space.

https://www.edu.gov.mb.ca/k12/cur/math/support_gr7/full_doc.pdf

Math is Fun (2023, December). Probability Tree Diagrams.

<https://www.mathsisfun.com/data/probability-tree-diagrams.html>

Hossein Pishro-Nik (2023, December 20). Introduction to Probability, Statistics and Random Processes.

https://www.probabilitycourse.com/chapter1/1_3_1_random_experiments.php

SlideShare a Scrib Company (202, December 20). Sample space, events, outcomes, and experiments.

<https://www.slideshare.net/slideshow/sample-space-events-outcomes-and-experiments/250046126>

III. TEACHING AND LEARNING PROCEDURE

BEFORE/PRE-LESSON PROPER

**ACTIVATING PRIOR
KNOWLEDGE**

**LESSON
PURPOSE/INTENTION**

**LESSON LANGUAGE
PRACTICE**

DURING/LESSON PROPER

**READING THE KEY
IDEA/STEM**

**DEVELOPING and
DEEPENING
UNDERSTANDING OF
THE KEY IDEA/STEM**

AFTER AFTER/POST-LESSON

MAKING GENERALIZATIONS AND ABSTRACTIONS		
EVALUATING LEARNING	A. Identify the experiment, outcome, sample space, and event in the following situations. 1. Two coins are tossed and landed on a head and a tail, respectively. a. Experiment: b. Outcome: c. Sample space: d. Event: 2. A spinner consists of 3 colors: blue, red, and green. What is the chance that if the spinner is spun, the result is green? a. Experiment: b. Outcome: c. Sample space: d. Event: 3. A card is drawn randomly from a box containing cards numbered 1 to 10. How likely is it to get a number that is more than 6? a. Experiment: b. Outcome: c. Sample space: d. Event: 4. A die is rolled once. It landed on a prime number. a. Experiment: b. Outcome: c. Sample space: d. Event: B. Table and Tree Diagram 1. Use a tree diagram to identify all the possible outcomes in arranging the colors black, blue, red, and green without repeating any color. 2. Bitoy plans to have 3 children. List all the possible combinations of the gender of the children he might have using a table.	30 – minutes assessment 25 – minutes checking of answers and giving feedback Formative Assessment Key: A.1 a. Tossing two coins simultaneously b. landing on a head and the other on a tail c. $S = \{HH, HT, TH, TT\}$ d. $\{HT, TH\}$ A.2 a. Spinning the spinner b. The result of the spin, which could be blue, red, or green. c. $S = \{\text{blue, red, green}\}$ d. $\{\text{green}\}$ Chance = $1/3$ A.3 a. Drawing a card randomly from a box containing cards numbered 1 to 10. b. any integer from 1 to 10 c. $S = \{1, 2, 3, 4, 5, 6, 7, 8, 9, 10\}$ d. $\{7, 8, 9, 10\}$ Chance = $4/10$ or $2/5$ A.4 a. Rolling a die once b. any specific number rolled on the die 1, 2, 3, 4, 5, or 6 c. $S = \{1, 2, 3, 4, 5, 6\}$

		d. {2, 3, 5}
ADDITIONAL ACTIVITIES FOR APPLICATION OR REMEDIATION (IF APPLICABLE)		
REMARKS		
REFLECTION		

Prepared by:

Subject Teacher
Teacher

Reviewed by:

Master Teacher/Head