PD 8 Math 7 Week March 10-14 Lesson Overview

Monday - Lumos Learning Book LLB **Lesson 5.5** : starting section on pg 129 on probability and review with some individually studyisland.com understanding probability redos if under 70% accuracy on a session.

Tuesday - Lumos Learning Book LLB **Lesson 5.6** : pg 132 on probability and review with some individually studyisland.com simple probability redos if under 70% accuracy on a session.

Wednesday - No class as assembly
Thursday - No class as pep rally assembly for winter/spring athletes - see Mrs. P eat PIe

Friday - No class/school as senior presentations and teacher inservice

Unit Objectives - Math 7 PSSA

ASSESSMENT ANCHOR			
M07.D-S.3	Investigate chance processes and develop, use, and evaluate probability models.		
	DESCRIPTOR		**ELIGIBLE CONTENT**
M07.D-S.3.1	Predict or determine the likelihood of outcomes.	**M07.D-S.3.1.1**	Predict or determine whether some outcomes are certain, more likely, less likely, equally likely, or impossible (i.e., a probability near 0 indicates an unlikely event, a probability around 1/2 indicates an event that is neither unlikely nor likely, and a probability near 1 indicates a likely event).

ASSESSMENT ANCHOR			
M07.D-S.3	Investigate chance processes and develop, use, and evaluate probability models.		
	DESCRIPTOR		**ELIGIBLE CONTENT**
M07.D-S.3.2	Use probability to predict outcomes.	**M07.D-S.3.2.1**	Determine the probability of a chance event given relative frequency. Predict the approximate relative frequency given the probability. *Example: When rolling a number cube 600 times, predict that a 3 or 6 would be rolled roughly 200 times but probably not exactly 200 times.*
		M07.D-S.3.2.2	Find the probability of a simple event, including the probability of a simple event **not** occurring. *Example: What is the probability of **not** rolling a 1 on a number cube?*
		M07.D-S.3.2.3	Find probabilities of independent compound events using organized lists, tables, tree diagrams, and simulation.

Examples from studyisland.com

The probability of randomly selecting a white flower from a garden that has green, pink, yellow, and white flowers is 12%.

Which of the following describes the likelihood of selecting a white flower?

- **A.** unlikely
- **B.** neither unlikely nor likely
- **C.** likely

Miss Nestor is randomly passing out books to her students for free reading time. In her book basket, she has 8 mysteries, 4 historical fiction novels, and 8 biographies. If there are 10 students in Miss Nestor's class for free reading time today, which of the following is the best prediction of the number of students who will receive historical fiction novels for free reading time?

- **A.** 4
- **B.** 2
- **C.** 5
- **D.** 3

2023

PSSA MATHEMATICS GRADE 7

15. A crate contains green, red, and yellow apples. Information about the number of apples of each color in the crate is listed below.

- green: 24
- red: 15
- yellow: ?

One apple is randomly selected from the crate. The probability of the apple being red is $\frac{1}{3}$. How many yellow apples are in the crate?

A. 2

B. 6

C. 39

D. 45