# PD 8 Math 7 Week March 10-14 Lesson Overview

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

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

<u>Wednesday</u> - No class as assembly<u>Thursday</u> - No class as pep rally assembly for winter/spring athletes - see Mrs. P

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

# Unit Objectives - Math 7 PSSA

### ASSESSMENT ANCHOR

M07.D-S.3.1

M07.D-S.3 Investigate chance processes and develop, use, and evaluate probability models.

### DESCRIPTOR

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Predict or determine the likelihood of outcomes.

### ELIGIBLE CONTENT

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.

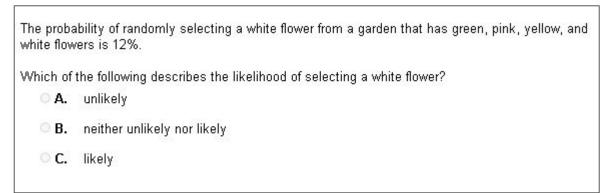
# M07.D-S.3.2 Use probability to predict outcomes. M07.D-S.3.2.1 Determine the probability of a chance event given relative frequency. Predict the approximate relative frequency given the probability. Example: When rolling a number cube 600 times, predict that a 3 or 6 would be rolled roughly 200 times 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.

<u>Example:</u> 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



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?

- OA. 4
- OB. 2
- OC. 5
- OD. 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