Math 7 Strategies 2

Pletcher
September Lessons - Probability

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.

Week Sept 11 Lesson Overview

Monday: Review Spinner Bingo Notes - Play a few rounds

https://www.nctm.org/adjustablespinner/

Setup Studyisland Accounts - complete diagnostic test and check google classroom forms for packet answers.

Discuss Probability Rules and Calculations

Use a GROUP Session of Studyisland Probability Selections for notes.

Tuesday: Complete a Studyisland Session Individually on Probability (Estimating) with 20 questions in session.

Wednesday: Continue the group session and review the individual session on studyisland software.

Sample:

Question 1.

Jordan flipped a coin 324 times. Which of the following would be a good estimate of the number of times the coin landed on heads?
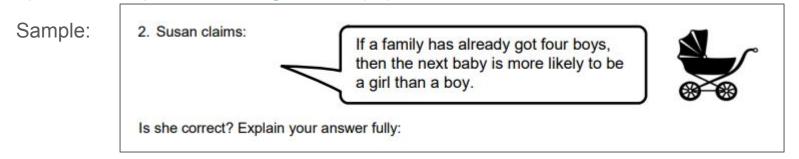
A. 262

B. 274

C. 157

D. 87

Thursday: Students begin by completing 1st page of Evaluating Statements about Probability "Are they Correct". Review answers together as a class. Continue with the 2 bags of jellybean exploration question and then true and false questions in groups. Finish by completing the "revisit" worksheet. Link from

https://www.map.mathshell.org/lessons.php?unit=7415&collection=8

Sample:

2. Susan claims:

If a family has already got four boys, then the next baby is more likely to be a girl than a boy.

Is she correct? Explain your answer fully:

Friday: Complete a 2nd sesssion on Studyisland Individually on Probability (Estimating) with 20 questions.