Rotation 4: Probability Continued

Content Area: **Mathematics**
Course(s):
Time Period: **Default**
Length: **Rotation 4**
Status: **Published**

Summary

- Determine the probability of unknown events, comparing the results of repeated experiments and the expected probability.

Standards

MA.7.SP.C.6	Approximate the probability of a chance event by collecting data on the chance process that produces it and observing its long-run relative frequency, and predict the approximate relative frequency given the probability.
MA.7.SP.C.7	Develop a probability model and use it to find probabilities of events. Compare probabilities from a model to observed frequencies; if the agreement is not good, explain possible sources of the discrepancy.
MA.7.SP.C.7b	Develop a probability model (which may not be uniform) by observing frequencies in data generated from a chance process.

Materials

Desmos Grade 7 Unit 8

Lesson 5: Is It Fair?

- I can decide whether or not something is fair based on the results of a repeated experiment.
- I can use the results from a repeated experiment to approximate the probability of an event.

Lesson 6: Fair Games

- I can write out the sample space for a multistep experiment using a list, table, or tree diagram.
- I can calculate the probability of a multistep event.

Lesson 7: Weather or Not

- I can use a simulation to estimate the probability of a multistep real-world event.
- I can connect real-world situations and the probability tools I could use to simulte those situations.

Lesson 8: Simulate It!

- I can design a simulation to estimate the probability of a multistep real-world event.

Assessment

- Observation
- Cool Downs
- Quizzes