

# Math Strategies 1

Q2 - Pletcher  
2023

UPDATED January 3rd Week

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# 7th grade PSSA - Overview --- This is expected to be covered after Thanksgiving till end of the Q2.

## Unit Objectives - Math 7 PSSA

### ASSESSMENT ANCHOR

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

#### DESCRIPTOR

**M07.D-S.3.1** 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.

#### DESCRIPTOR

**M07.D-S.3.2** Use probability to predict outcomes.

#### ELIGIBLE CONTENT

**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.

# Short Week January 3-5, 2024

## Wednesday:

- Warmup with a few review questions off sample of student's individual accounts together.
- Review Probability prior to break by completing the "Race Quiz" on a group session off [studyisland.com](https://www.studyisland.com)

**Thursday:** Complete Edpuzzle on compound events followed by [studyisland](https://www.studyisland.com) section

## Friday:

- Play a 3-person version of RockPaperScissors
- Explain using the fundamental Counting Principle the outcomes and link to probability
- Review fundamental counting principal worksheets