

Middle School Probability Learning Progression

I can compare the how likely two things are to happen and express this as a number called probability. [4.4.F&G]

- I'm able to...
- Define new words
 - Tell if an event is likely or unlikely.
 - Use a picture to know number of matches and total.

I understand how *experimental probability* is determined from data. [6.3.F]

- I'm able to...
- Record number of successes and tries.
 - Express prob. as fraction

I understand *theoretical probability, complements*, and how to express probability as a decimal, percent, or fraction. [6.3.G]

- I'm able to...
- Feel comfortable with decimals, percents, & fractions.
 - Explain the difference between experimental and theoretical.

I can predict outcomes based on my knowledge of probability and represent more complicated events in many ways. [7.4.A&B]

- I'm able to...
- Apply proportional reasoning to scale probabilities.
 - Present *sample space* with tree diagrams, organized lists, etc.

I understand dependency and the effect it has on the probability of events. [8.3.F]

- I'm able to...
- Interpret "and & or" statements.
 - Perform operations on probabilities.

I can apply my knowledge of probabilities to many different situations in order to compare, determine, and represent probabilities.