Enduring Understandings

Probability is the mathematics of chance.

Sampling affects the relationship between experimental and theoretical probability.

Essential Questions

Why is probability used?

How are experimental and theoretical probability related?

Indicators

5.6.1.1 find all possible outcomes of simple experiments using such methods as lists, tree diagrams, area models, and organized lists.

5.6.2.1 find the probability of simple events.

5.6.2.2 use data to estimate the probability of future events.

5.6.2.3 represent probabilities as ratios, decimals between 0 and 1, and percentages between 0 and 100.

5.6.3.1 predict the probability of a simple event based on the outcomes of an actual event or experiment and compare the results to the theoretical probability of the event.