Probability Unit Vocabulary - Week One

Probability of an Event – the measure of the likelihood of an event to occur.

• The probability of an event is measured between 0 and 1 or 0% and 100%

Theoretical Probability – <u>The Number of Favorable Outcomes</u> <u>The Number of Possoble Outcomes</u>

- Theoretical Probability is the probability of an event to occur based on mathematical certainty.
- For example the theoretical probability flipping a coin and getting a heads is $\frac{1}{2}$

Experimental Probability -- The Number of Favorable Events Observed The Total Number of Trials

- Experimental Probability is the probability of an event occurring based on experimental results.
- For example, if the White Sox have won 3 out of their first 5 games, the experimental probability of winning their next game would be $\frac{3}{5}$