



Understanding Probability

Today's Standard

7.SP.C5 - Understand that the probability of a chance event is a number between 0 and 1 that expresses the likelihood of the event occurring. Larger numbers indicate greater likelihood. A probability near 0 indicates an unlikely event, a probability around $\frac{1}{2}$ indicates an event that is neither unlikely nor likely, and a probability near 1 indicates a likely event.

| Cues | Notes |
|--------------------------------------|---|
| What is probability? | Probability is a measure of how likely an event is to occur. |
| How is probability expressed? | Probability is expressed as a number between 0 and 1. |
| What does a probability near 0 mean? | A probability near 0 indicates an unlikely event. |
| What does a probability near 1 mean? | A probability near 1 indicates a likely event. |
| What does a probability of 0.5 mean? | A probability of 0.5 indicates an event that is equally likely to happen or not happen. |

Summary

Probability measures the likelihood of events, expressed between 0 and 1. Near 0 means unlikely, near 1 means likely, and 0.5 means equally likely.