

Parent Guide to the Standards

Probability and Relative Frequency

Today's Standard

7.SP.C6 - Approximate the probability of a chance event by collecting data on the chance process that produces it and observing its long-run relative frequency, and predict the approximate relative frequency given the probability. For 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.

Real-World Applications for this Standard

Predicting outcomes in sports events; Estimating weather patterns; Forecasting stock market trends; Determining the likelihood of winning a game of chance; Predicting the success rate of a new product launch

Today I Learned

Today we learned about probability. Probability is the chance that something will happen, like rolling a 3 on a number cube. We can predict how often something will happen by collecting data and watching how often it happens over a long time.

Common Stumbling Blocks

Sometimes kids think that if the chance of something happening is 1 out of 3, it will happen exactly that many times. But really, it's about what happens over a long time. Also, kids might think that if something happens a lot in a short time, it will always happen that way, but that's not true.

Quiz Me

- What is probability?
- How can we find out the chance of something happening?
- What does it mean if something happens a lot in a short time?
- Why do we need to look at lots of tries to understand probability?
- Can we always predict exactly how many times something will happen?

Help Me

Probability helps us understand how likely something is to happen. For example, if we flip a coin many times, we can see how often it lands on heads or tails. This helps us predict what might happen in the future, even if

