



## Uniform Probability Models

### Today's Standard

7.SP.C7a - Develop a uniform probability model by assigning equal probability to all outcomes, and use the model to determine probabilities of events. For example, if a student is selected at random from a class, find the probability that Jane will be selected and the probability that a girl will be selected.

### Real-World Applications for this Standard

Predicting outcomes of simple games; Determining the likelihood of drawing a specific card from a deck; Estimating the chances of winning a lottery; Calculating the probability of rolling a specific number on a die

### Today I Learned

Today, we learned how to make a model that shows equal chances for all possible outcomes. This helps us figure out the chances of different things happening.

### Common Stumbling Blocks

Some kids might think all models are the same, but they aren't. Others might mix up the chances of one thing happening with the chances of many things happening.

### Quiz Me

- What is a uniform probability model?
- How do we use a uniform probability model?
- Can you give an example of a uniform probability model?
- What happens when all outcomes have equal chances?
- Why is it important to understand probability?

### Help Me

A uniform probability model is used when every outcome has the same chance of happening. For example, if you pick a student from a class, everyone has an equal chance of being picked. This helps us understand and predict the chances of different events in real life.