Fair Decision Making Using Probability

Today's Standard

HSS.MD.B6 - (+) Use probabilities to make fair decisions (e.g., drawing by lots, using a random number generator).

Real-World Applications for this Standard

Election processes using random sampling; Sports team selections by drawing lots; Randomized clinical trials in medicine; Lottery systems; Random number generators in computer algorithms

Today I Learned

Today, we learned how to use probability to make fair choices. For example, we can use random number generators or draw lots to decide things without bias.

Common Stumbling Blocks

Sometimes, kids think that all random choices are fair, but they can be biased. Also, doing something many times doesn't always make it fair. We need to understand how to make random choices properly.

Quiz Me

- What is probability?

- Can we use probability to make fair choices?

- Give an example of using probability to make a fair decision.

- Is every random choice fair?

- Does doing something many times always make it fair?

Help Me

Probability helps us make fair choices in real life, like picking a winner in a contest or selecting teams. By understanding probability, we can make sure everyone has an equal chance.