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).

Cues	Notes
What is probability?	Probability is the measure of the likelihood that an event will occur.
How can probability ensure fairness?	Probability can ensure fairness by providing a statistical basis for decision-making, removing bias.
What are examples of fair decision-making using probability?	Examples include lotteries, random number generators, and randomized clinical trials.
What is a common misconception about randomness?	A common misconception is that all random processes are inherently fair.
How can we correct misconceptions about probability?	Misconceptions can be corrected through controlled experiments and simulations.

Summary

Probability helps ensure fair decision-making by providing a statistical basis, eliminating bias. Common misconceptions about randomness and fairness can be addressed through hands-on experiments and simulations.