Compound Event Probability

Today's Standard

7.SP.C8a - Understand that, just as with simple events, the probability of a compound event is the fraction of outcomes in the sample space for which the compound event occurs.

Real-World Applications for this Standard

Predicting the outcome of rolling two dice.; Determining the probability of drawing two specific cards from a deck.; Calculating the likelihood of a certain combination of weather events.; Estimating the chances of winning a multi-step game or contest.

Today I Learned

Today, we learned about the probability of compound events. This means figuring out how likely it is for two or more things to happen together.

Common Stumbling Blocks

Sometimes, kids think that to find the probability of two things happening together, you just add their chances. But that's not right! Another tricky part is thinking that the combined chance is always smaller, which isn't always true.

Quiz Me

- What is a compound event?

- How do we find the probability of a compound event?

- What is a sample space?

- Why can't we just add probabilities for compound events?

- Can the probability of a compound event be bigger than single events?

Help Me

To understand the probability of compound events, think about rolling two dice. We can figure out how likely it is to get a specific combination, like two sixes. This helps us see how different events can happen together in real life.