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.

Cues	Notes
What is a compound event?	A compound event involves two or more simple events.
How do you calculate the probability of a compound event?	The probability is found by determining the fraction of outcomes in the sample space where the compound event occurs.
What is a sample space?	A sample space is a set of all possible outcomes.
What is a common misconception about compound events?	A common misconception is that the probability of a compound event is the sum of individual probabilities.
How can tree diagrams help in understanding compound events?	Tree diagrams visually represent all possible outcomes and their probabilities.

Summary

Understanding compound events involves calculating the fraction of outcomes in the sample space where the event occurs. Visual aids like tree diagrams help clarify this concept, and it's important to address common misconceptions to ensure accurate understanding.