



Compound Event Sample Spaces

Today's Standard

7.SP.C8b - Represent sample spaces for compound events using methods such as organized lists, tables and tree diagrams. For an event described in everyday language (e.g., "rolling double sixes"), identify the outcomes in the sample space which compose the event.

Cues	Notes
What is a compound event?	A compound event consists of two or more simple events.
How to represent sample spaces?	Sample spaces can be represented using organized lists, tables, and tree diagrams.
What are tree diagrams?	Tree diagrams visually represent all possible outcomes of compound events.
How to identify outcomes in sample spaces?	Identify outcomes by listing all possible results of the events.
Common misconceptions about compound events?	Misconceptions include thinking probabilities of compound events are summed and that all compound events are equally likely.

Summary

Understanding and representing sample spaces for compound events is crucial for grasping more complex probability concepts. This involves using organized lists, tables, and tree diagrams, and addressing common misconceptions.