



M3-03: Multiplication Rule

Part of the "Prediction and Probability" Learning Badge

Video Walkthrough: <https://discovery.cs.illinois.edu/m3-03/>

What is the Multiplication Rule?

For Independent Events:

For Dependent Events:

Puzzles:

Draw 2 cards with replacement. What's the chance of getting two red cards?

Draw 2 cards without replacement. What's the chance of getting two red cards?

Find the probability of correctly answering the first 5 questions on a multiple-choice test if random guesses are made and each question has 4 possible answers?

The following questions pertain to flipping a fair coin. What is the chance of getting 3 tails? What is the chance of getting this particular sequence HTH?