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Primary Type: Tutorial

Direct Link: <https://www.khanacademy.org/math/cc-seventh-grade-math/cc-7th-probability-statistics/cc-7th-basic-prob/v/probability-1-module-examples>

Finding Probability Example 2

This video demonstrates several examples of finding probability of random events.

General Information

Subject(s): Mathematics

Grade Level(s): 7

Intended Audience: [Students](#)

Instructional Time: 10 Minute(s)

Suggested Technology: Internet Connection, Speakers/Headphones

Keywords: probability

Instructional Component Type(s): [Tutorial](#), [Video/Audio/Animation](#),

Resource Collection: Secondary Math specific existing tutorials

Additional Information/Instructions

By Author/Submitter

edit standard, grade, time,

Source and Access Information

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Name of Author/Source: Khan Academy

District/Organization of Contributor(s): Leon

Access Privileges: Public

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Aligned Standards

Name	Description
	Develop a probability model and use it to find probabilities of events. Compare probabilities from a model to observed frequencies; if the agreement is not good, explain possible sources of the discrepancy. a. Develop a uniform probability model by assigning equal probability to all outcomes, and use the model to determine probabilities of events. For example, if a student is selected at random from a class, find the probability that Jane

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will be selected and the probability that a girl will be selected.

- b. Develop a probability model (which may not be uniform) by observing frequencies in data generated from a chance process. For example, find the approximate probability that a spinning penny will land heads up or that a tossed paper cup will land open-end down. Do the outcomes for the spinning penny appear to be equally likely based on the observed frequencies?