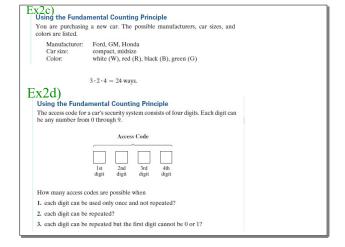


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Simple event: is an outcome or event that can't be broken into smaller components. Ex) rolling one dice and getting a 5. Either it is or isn't a 5.

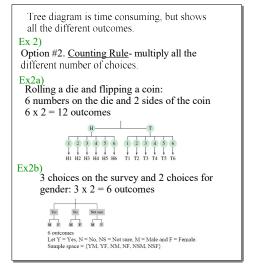
Not simple: rolling two die and getting the sum of 7. roll a 3 and a 4 or 2 and a 5 or 1 and a 6.

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A tree diagram gives a visual display of the outcomes of a probability experiment by using branches that originate from a starting point. It can be used to find the number of possible outcomes in a sample space as well as Tree Diagram for Coin and Die Experiment From the tree diagram, you can see that the sample space has 12 outcomes $\{H1, H2, H3, H4, H5, H6, T1, T2, T3, T4, T5, T6\}$ 1b) How many outcomes if you have to check a response and state if your male or female. Check one response Yes ☐ No Not sure 6 outcomes Let Y = Yes, N = No, NS = Not sure, M = Male and F = Female. Sample space = {YM, YF, NM, NF, NSM, NSF}

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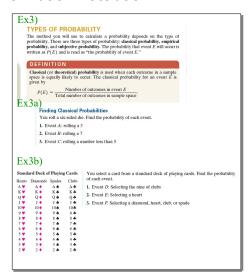
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Ex2e)	
How many license plates can you make when a license plate consists of	
1. six (out of 26) alphabetical letters, each of which can be repeated?	
2. six (out of 26) alphabetical letters, each of which cannot be repeated?	
3. six (out of 26) alphabetical letters, each of which can be repeated but the first letter cannot be $A,B,C,$ or D ?	

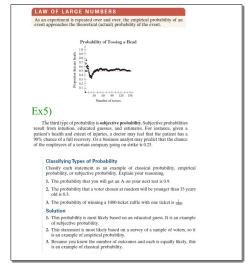
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Ch 3.1 new book.notebook

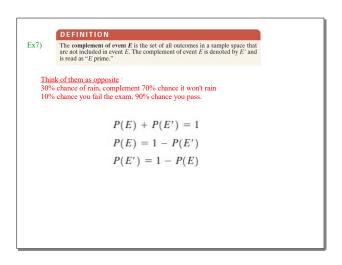
October 12, 2022



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Ex4)

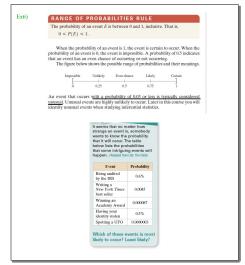
Empirical (or autoited) probability is based on observations obtained from probability of an event E is the relative frequency of event E.

P(E) = Frequency of event ETotal frequency

= $\frac{1}{n}$ Finding Empirical Probabilities

A company is conducting an online survey of randomly selected individuals to determine how often they recycle. So far 2453 people have been surveyed. The frequency distribution shows the results. What is the probability that the next person surveyed always recycle of soften and farms of the person of t

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Ex 8)
Odds = # times an event occurs: # times an event doesn't occur

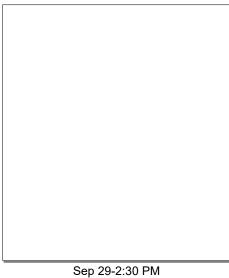
Bag of marbles with 5 green, 2 red, and 7 blue

Ex3a) Odds(green)

Ex 3b) Odds(blue)

Ex 4c) Odds(red)
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