Probability

Theoretical Probability

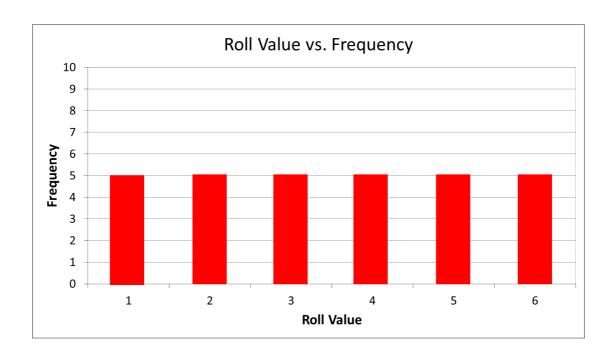
What we expect to happen.

Experimental Probability

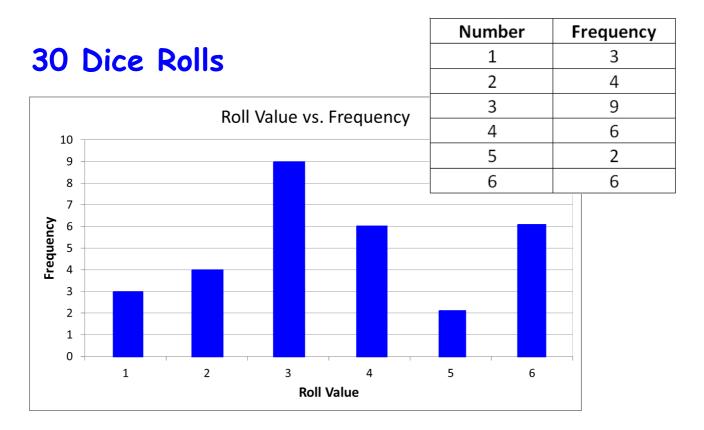
What actually happens.

Theoretical Probability

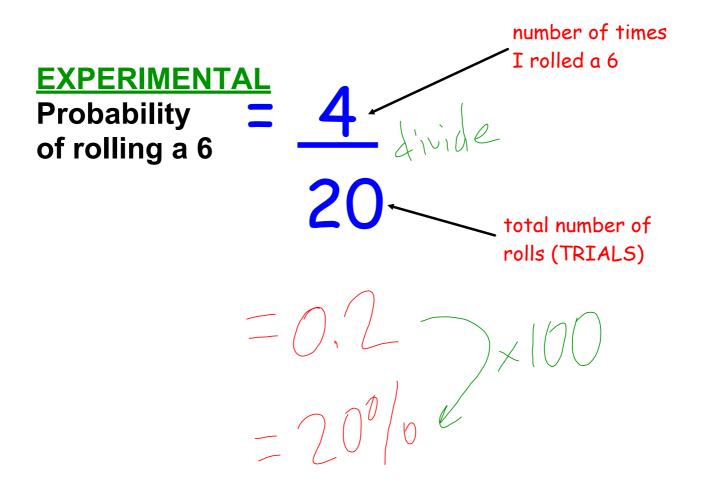
30 Dice Rolls



Experimental Probability



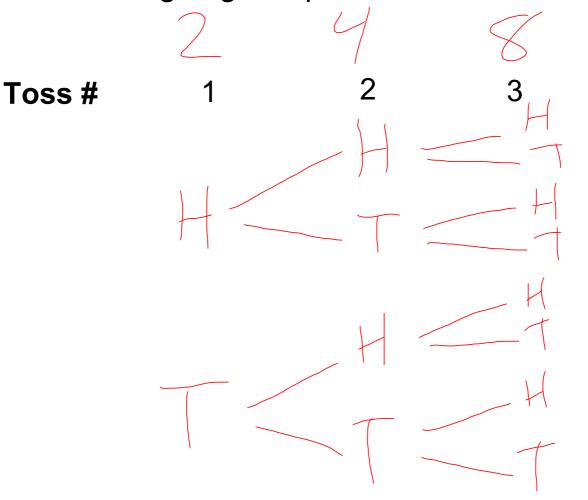
If I roll a dice 20 times and I roll a six, 4 times....



From here, figuring out the decimal probability and percentage probability is simple!

Tree Diagrams

If we were going to flip a coin three times...



1 2 3	Outcome	# Heads	# Tails
H	HHHHHHHHH	322	
T H T H T	H T T T T T T T T T T T T T T T T T T T		21223

Total Outcomes:

Cards

A deck has 52 cards.

26 red cards

- 13 hearts
- 13 diamonds

26 black cards

- 13 spades
- 13 clubs

Each suit has

2, 3, 4, 5, 6, 7, 8, 9, 10, J, Q, K, A