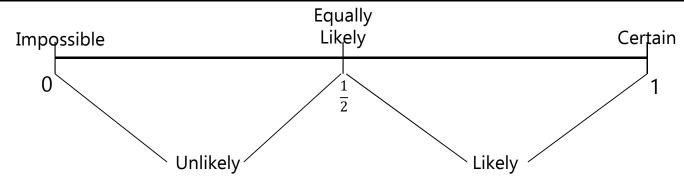
NAME:	AMDM 2.1 DATE://	
What: Why:	PROBABILITY OF SIMPLE EVENTS To calculate the probability of simple events and to analyze the difference between theoretical probability and experimental probability.	
VOC	BULARY:	
	ability– expressed as a ratio describing the # of outcomes to of outcomes. Probability is measured on a scale from	
	retical Probability– the probability, based on, that an event ccur (what <i>should</i> happen).	
Experimental Probability– found using outcomes obtained in an actual or game (what <i>actually</i> happens).		
What SHOULD happen v. What ACTUALLY happens!		



Where would the following fall on the above Number Line???

- 1) Food will be served for lunch.
- 2) The sun will rise tomorrow.
- 3) You will have 2 birthdays this year.
- You will see a cat this evening. 4)
- You will roll a "2" on a standard number cube. 5)
- 6) On your way to school, you will see a live woolly mammoth.
- You will see a wild, living black bear tomorrow. 7)
- You will get tails when you flip a coin. 8)
- You will become famous one day. 9)

PROBABILITY TRIALS

TRIAL #1: Spinning a Spinner Out of 20 trials, how many times will it land on red? P(red)					
1) What do we need to know? 2) Theoretical Probability: (what should happen) # of red: total # of colors:					
3) Do the experiment (20 trials):	4) Experimental Probability: (what <i>actually</i> happened)				

TRIAL #2 : Rolling a Number Cube Out of 20 trials, how many times will an odd number occur- P (odd #)?				
1) What do we need to know?	2) Theoretical Probability: (what <i>should</i> happen)			
# of odd #'s: total # of sides:				
3) Do the experiment (20 trials):	4) Experimental Probability:			
	(what <i>actually</i> happened)			

TRIAL #3 : Flipping a CoinOut of 20 trials, how many times will <i>heads</i> occur- P(heads)?				
 What do we need to know? # of heads: total # of sides: 	2) Theoretical Probability: (what <i>should</i> happen)			
3) Do the experiment (20 trials): Image: state st	4) Experimental Probability: (what <i>actually</i> happened)			

NOTE: AS THE # OF TRIALS INCREASE, THE EXPERIMENTAL PROBABILITY WILL COME CLOSER AND CLOSER TO THE THEORETICAL PROBABILITY!!