Name		
	Period	

THEORETICAL PROBABILITY ACTIVITY

Theoretical probability is just that...a theory. It's what is expected to happen, yet as we all know in life, the expected does not always happen. Today's activity will begin to test theoretical activity.

Needed Supplies

- this worksheet
- die (singular of dice)

Probability Prediction Time

What is the chance of each of the following happening? Imagine the die were rolled 20 times, what would be the chance out of 100 if this theoretical probability prediction were to remain the same.

Number Rolled	Probability	Probability Out of 20
5		
an even number		
a prime number		
a multiple of 3		

The Test

Now let's test it. Your job will be to roll the die <u>exactly 20 times</u> and record how many times each number is rolled. To do this you will want to make a tally table. Keep careful track of how many rolls you have done.

1	
2	
3	
4	
5	
6	

	led	Probability Out of 100	Actual Amount Out of	
5				
even num	ber			
rime num	ber		0.00	
nultiple o	f 3			
-				
		s would have been different as? Explain your reasoning.	if you had rolled the die 1,000 or	
even 10,0				
even 10,0		CLEAR TO THE RESIDENCE OF THE PARTY OF THE P		
	000 time	s? Explain your reasoning.		

Name_

Period_