MathFLIX CHALLENGE
Experimental Probability

Complete the charts

Part 1: *Here are the results of rolling a single dice 10 times.*

OUTCOMES	TALLY	#	FRACTION	DECIMAL	%
1	III	3	3/10	.3	30
2	II	2			
3	I				
4	I				
5	II				
6	I				

Part 2: *Here are the results of rolling a single dice 20 times.*

OUTCOMES	TALLY	#	FRACTION	DECIMAL	%
1	III	3	3/20	.15	15
2	III	3			
3	IIIII I				
4	II				
5	IIII				
6	II				

Part 3: *Here are the results of rolling a single dice 50 times.*

OUTCOMES	TALLY	#	FRACTION	DECIMAL	%
1	IIIII III	8	8/50	.16	16
2	IIIII IIIII I	11			
3	IIIII I				
4	IIIII IIIII III				
5	IIIII				
6	IIIII II				

Note: The theoretical probability of each outcome on a fair dice is 1/6 or .167 or 16.7%. How many of the outcomes above are within 2% of the theoretical probability?