FLIPPING A COIN: An Experiment in Probability



Name	
Date	Period

1. What is the theoretical probability of getting tails: in general?												
	t. What is the theoretical probability of getting tails.						after 10 trials?					
		ials?										
		ials?										
2	With a nartner	flin a co	sin 50 times s	stonning	after 10 and	l 20 tria	ls to answar	the aues	tions helow			
2. With a partner, flip a coin 50 times, stopping after 10 and 20 trials to answer the questions below.												
Tria	al Outcome	Trial	Outcome	Trial	Outcome	Trial	Outcome	Trial	Outcome			
1		11		21		31		41				
2		12		22		32		42				
3		13		23		33		43				
4		14		24		34		44				
5		15		25		35		45				
6		16		26		36		46				
7		17		27		37		47				
8		18		28		38		48				
9		19		29		39		49				
10		20		30		40		50				
	STOP		STOP						<u> </u>			
3.	3. What is your experimental probability of getting tails: after 10 trials?											
							after 20 tr	ials?				
							after 50 tr	ials?				
4.	1. What do you notice about your experimental probability as the number of trials increases?											
5.	. How many tails would you expect to get in 100 trials, based on your theoretical probability?											

6. How many tails would you expect to get in 100 trials, based on your **experimental probability**?