

Name _____ Date _____ Period _____

Probability Lab

Hypothesis: Predict how many times out of 50, your coin will land on heads.

“If I flip a coin 50 times, then _____ times the coin will show heads.”

Procedure: Flip your coin. Record which side faces upward after it lands. Do this 49 more times to complete your table

Data

Trial	Result	Trial	Result
1		26	
2		27	
3		28	
4		29	
5		30	
6		31	
7		32	
8		33	
9		34	
10		35	
11		36	
12		37	
13		38	
14		39	
15		40	
16		41	
17		42	
18		43	
19		44	
20		45	
21		46	
22		47	
23		48	
24		49	
25		50	

H Total	T Total

Results:

My coin was heads _____ times out of 50, or _____ %.

My coin was tails _____ times out of 50, or _____ %.

* at this time, report your results to your teacher *

Conclusion:

My prediction of _____ heads out of 50 was (correct/incorrect) [circle one] because my data showed that _____% of the time heads was shown.

Thinking Questions:

1. Females have two "X" chromosomes and that males have one "X" and one "Y". Each parent must give their child one of their sex chromosomes. What are they chances that their child will be male? Female? Show your work.

2. If a couple has two kids, what are the chances of the children being 1 boy and 1 girl?

3. If we take everyone's data and pool it together, what do you think the % of heads versus tails will be?