

Name: _____

Date: _____

5.01 Worksheet

Frequency of Heads vs. Tails Simulated with a Fair Coin (50:50)

	10x	100x	1000x	10000x
Heads	5	55	485	4949
Tails	5	45	515	5051
Heads	3	53	504	5009
Tails	7	47	496	4991
Heads	3	48	505	5001
Tails	7	52	495	4999
Heads	6	47	514	5033
Tails	4	53	486	4967
Heads	8	45	500	5001
Tails	2	55	500	4999
Avg. Heads	5	49.6	501.6	4998.6
Avg. Tails	5	50.4	498.6	5001.3

Frequency of Heads vs. Tails Simulated with a Biased Coin (?:?) ^{2:8}

	10x	100x	1000x	10000x
Heads	3	20	207	2010
Tails	7	80	793	7990
Heads	1	21	224	1985
Tails	9	79	776	8015
Heads	2	23	208	1969
Tails	8	77	792	8031
Heads	1	19	190	1971
Tails	9	81	810	8029
Heads	1	14	201	1983
Tails	9	86	799	8017
Avg. Heads	1.6	19.4	206	1983.6
Avg. Tails	8.4	80.6	794	8016.4