Name: _____

Experimental Probability Investigation

You are going to carry out an EXPERIMENT. It must only have two OUTCOMES.

Describe your experiment here: _____

_____

Successful Outcome: _____

Fail Outcome: _____

What do you think the PROBABILITY of a success is (as a fraction)? _____

What do you think the PROBABILITY of a success is (as a decimal)? _____

If you carried out 100 TRIALS how many successes do you PREDICT you would have? _____

Carry out your experiment, recording your answers in a tally below and on the graph

Success	
Fail	

Work out the EXPERIMENTAL probability using your results:

Experimental Probability = Number of successes = _____

Number of trials

What was the probability as a decimal? _____

Compare your theoretical and experimental probabilities. What do you notice? How can you improve the accuracy