

## Theoretical and Experimental Probability

Define in your own words:

Theoretical probability –

Experimental probability –

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### A. Coin

1. Write the theoretical probability of landing on the face if you flip the coin 2 times

$P(\text{face}) =$

2. Write the theoretical probability of landing on the face if you flip the coin 10 times

$P(\text{face}) =$

3. Write the theoretical probability of landing on the face if you flip the coin 100 times

$P(\text{face}) =$

### 4. Experiment.

- a. Flip the coin 10 times, recording data in a tally chart in your cahier. What was the experimental probability of landing on the face?  $P(\text{face}) =$
- b. Flip the coin 20 times, recording data in a tally chart in your cahier. What was the experimental probability of landing on the face?  $P(\text{face}) =$
- c. Make an observation – The more I flipped the coin,