

## Probability Study Guide

**Probability** - The chance that a given even will happen.

*Ex: You have a 1 out of 2 chance of flipping heads with a quarter.*

Be able to explain the chance of an event happening in terms of a fraction

*Ex: You have a 1/2 chance of flipping heads with a quarter.*

Be able to explain the chance of an event happening in terms of:

- Certain – It will happen
  - o *Ex: The sun will rise tomorrow*
- Likely – There’s a very good chance that it will happen
  - o *Ex: Most students will be in class for the probability test*
- Unlikely – It probably won’t happen
  - o *Ex: All third grade teachers will have a sub tomorrow*
- Impossible – It cannot happen
  - o *Ex: The school year will end tomorrow*

Understand that for a spinner to be fair, all pieces must be even.



### Practice Problem:

Write the word form and fraction form of the following:



What are the chances of selecting a smiley face?

(Word form) \_\_\_\_\_ out of \_\_\_\_\_

(Fraction form) \_\_\_\_/\_\_\_\_