Probability Study Guide

**Probability** - The chance that a given event 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
  
  *Ex: The sun will rise tomorrow*

- **Likely** – There’s a very good chance that it will happen
  
  *Ex: Most students will be in class for the probability test*

- **Unlikely** – It probably won’t happen
  
  *Ex: All third grade teachers will have a sub tomorrow*

- **Impossible** – It cannot happen
  
  *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) ___/____