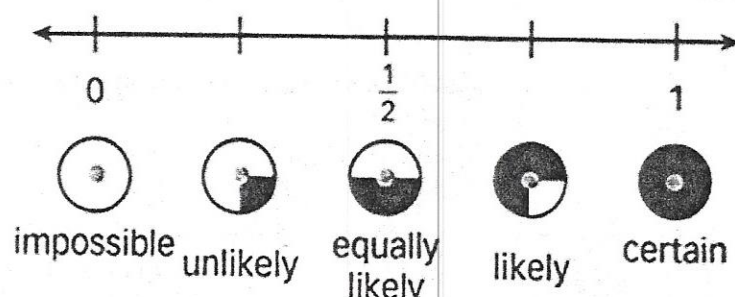


Name: \_\_\_\_\_

Date: \_\_\_\_\_

## Class Notes

Goal: to use the language of chance to describe the probability of events.

<u>Topic/Concept</u>	<u>Notes</u>
↪ Probability	The chance that something will happen
↪ Event	A specific outcome or type of outcome
↪ Population vs. sample	A _____ is a group of individuals or objects that you may want to study. If a population is too large for data to be collected from every member, you will need to collect data from a part, or a _____ of the population. The best kind of sample to pick is a _____ sample.
↪ Why is it important for the sample to be random?	In a random sample, every member of the population has an _____ chance of being selected.
↪ What is a biased sample?	A sample that is <b>biased</b> is one where some members of a population are _____ to be chosen.
↪ The language of probability	 <p>A horizontal number line with arrows at both ends, marked with 0, <math>\frac{1}{2}</math>, and 1. Below the line are five circles representing different probability levels:</p> <ul style="list-style-type: none"><li>0: A circle with a tiny shaded area, labeled "impossible".</li><li>Unlikely: A circle with a small shaded area, labeled "unlikely".</li><li>Equally likely: A circle with a shaded area of approximately 50%, labeled "equally likely".</li><li>Likely: A circle with a large shaded area, labeled "likely".</li><li>1: A completely shaded circle, labeled "certain".</li></ul>