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| **Clarity for Learning** | | | |
| **Standard KY.7.SP.5** Describe the probability of a chance event is a number between 0 and 1, which tells how likely the event is, from impossible (0) to certain (1). A probability near 0 indicates an unlikely event, a probability around 1/2 indicates an event that is neither unlikely nor likely and a probability near 1 indicates a likely event. | | | |
| **Concepts (Nouns)**  probability  chance  event  impossible  certain  unlikely  likely  equally likely | | **Skills (Verbs)**  describe  understand | |
| **Learning Progressions**  *Prerequisite Skills:*   * fractional parts on a number line * fraction, decimal, percent relationships * fluency solving percent problems in real-world applications * measures of central tendency: mean, median, mode * measures of dispersion: range, interquartile range   *Grade Level Skills:*   * Use actual spinners, dice, etc. to determine the likelihood an event will occur. * Determine if pictures of probability models (spinners, etc.) are fair or unfair using fractional parts. * Use fractions, decimals, and percents to describe the chances of an event occurring between 0 and 1. * Use appropriate language to describe events as certain, near (1) or impossible, near (0).   *Clarifications:*  Emphasis is on the descriptive language used to describe numerical probabilities; impossible event, unlikely event, equally likely event, likely event, a certain event. Students understand all probabilities must fall between 0 and 1. | | | |
| **Learning Intentions (I am learning to...)** | | **Success Criteria (I know I’m successful when...)** | |
| Investigate probability to describe the likelihood that an event will occur. | | * I can describe the likelihood that an event will occur. * I can describe whether an event is impossible, unlikely, equally likely, likely, or certain to occur. * I can express probability as a number between 0 and 1. * I can use probability to determine fairness. | |