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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)**probabilitychanceeventimpossiblecertainunlikelylikelyequally likely | **Skills (Verbs)**describeunderstand |
| **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.
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