

# Grade 3

**10C** Students who meet the standard can determine, describe and apply the probabilities of events. *(Probability including counting techniques)*

Maintain	Target	Introduce
<ul style="list-style-type: none"><li>• Identify and discuss likely, unlikely, and impossible probability events.</li><li>• Communicate and display results of probability events in order to make predictions of future events.</li></ul>	<ul style="list-style-type: none"><li>• Describe events as likely or unlikely and discuss the degree of likelihood using such words as certain, equally likely, and impossible.</li><li>• Explain probability as a fractional part of a group to the whole group (e.g., A tossed coin can land on heads or tails; therefore, it should land on heads <math>\frac{1}{2}</math> of the time.)</li><li>• Make predictions based on the results received from a probability experiment.</li><li>• Create and perform a probability experiment (e.g., a penny is flipped 100 times) and record the results.</li><li>• Understand that the measure of the likelihood of an event can be represented by a number from zero to one, inclusive.</li></ul>	<ul style="list-style-type: none"><li>• List all possible outcomes of a single event and tell whether an outcome is certain, impossible, likely, or unlikely.</li><li>• Describe the probability of an event using terminology such as "5 chances out of 8."</li></ul>