

## Common Core Standards - Resource Page

The resources below have been created to assist teachers' understanding and to aid instruction of this standard.

Domain	Standard: S.CP.7 - Apply the Addition Rule, $P(A \text{ or } B) = P(A) + P(B) - P(A \text{ and } B)$ , and interpret the answer in terms of the model. *(Modeling Standard)
<p><b><u>Conditional Probability and the Rules of Probability</u></b>  <b>Use the rules of probability to compute probabilities of compound events in a uniform probability model</b></p>	<p><u>Questions to Focus Learning</u></p> <p>How can the probability of one or more events occurring be computed?</p> <p>The probability of more than one even occurring is dependent on how those events intersect.</p> <p><u>Student Friendly Objectives</u></p> <p><i>Knowledge Targets</i></p> <p>I know the Addition Rule.            I can describe the conditions under which <math>P(A \text{ or } B) = P(A) + P(B) - P(A \text{ and } B)</math>.            I can describe the conditions under which <math>P(A \text{ or } B) = P(A) + P(B)</math></p> <p><i>Reasoning Targets</i></p> <p>I can apply the addition rule with intersecting sets A and B (e.g., a Venn Diagram or two-way table).            I can interpret the Addition Rule with intersecting sets A and B.</p> <p><u>Vocabulary</u></p> <p>empty set            intersecting sets            mutually exclusive            subset            two way table            Venn Diagram</p> <p><u>Teacher Tips</u></p> <p><u>Vertical Progression</u></p>

The above information and more can be accessed for free on the [Wiki-Teacher](#) website.

Direct link for this standard: [S.CP.7](#)