



Standard #: MAFS.912.S-CP.2.7

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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. ★

Subject Area: Mathematics	Grade: 912
Domain-Subdomain: Statistics & Probability: Conditional Probability & the Rules of Probability	Cluster: Level 2: Basic Application of Skills & Concepts
Cluster: Use the rules of probability to compute probabilities of compound events in a uniform probability model. (Algebra 2 - Additional Cluster) - Clusters should not be sorted from Major to Supporting and then taught in that order. To do so would strip the coherence of the mathematical ideas and miss the opportunity to enhance the major work of the grade with the supporting clusters.	Date Adopted or Revised: 02/14
Content Complexity Rating: Level 2: Basic Application of Skills & Concepts - More Information	Date of Last Rating: 02/14
Status: State Board Approved	

Related Courses

Course Number	Course Title
1200330:	Algebra 2 (Specifically in versions: 2014 - 2015, 2015 and beyond (current))
1200340:	Algebra 2 Honors (Specifically in versions: 2014 - 2015, 2015 and beyond (current))
1210300:	Probability & Statistics with Applications Honors (Specifically in versions: 2014 - 2015, 2015 and beyond (current))
1298310:	Advanced Topics in Mathematics (formerly 129830A) (Specifically in versions: 2014 - 2015, 2015 and beyond (current))
1200335:	Algebra 2 for Credit Recovery (Specifically in versions: 2014 - 2015, 2015 - 2019 (course terminated))

Related Access Points

Access Point

Access Points Number	Access Points Title
MAFS.912.S-CP.2.AP.7a:	Use the addition rule, $P(A \text{ or } B) = P(A) + P(B) - P(A \text{ and } B)$.
MAFS.912.S-CP.2.AP.7b:	Interpret the answer to the Addition Rule within the context of the model.

Related Resources

Problem-Solving Task

Name	Description
Coffee at Mom's Diner:	This task assesses a student's ability to use the addition rule to compute a probability and to interpret a probability in context.
Rain and Lightning:	This problem solving task challenges students to determine if two weather events are independent, and use that conclusion to find the probability of having similar weather events under certain conditions.

Assessment

Name	Description
Sample 3 - High School Algebra 2 State Interim Assessment:	This is a State Interim Assessment for 9th-12th grades.
Sample 4 - High School Algebra 2 State Interim Assessment:	This is a State Interim Assessment for 9th-12th grade.

Student Resources

Name	Description
Coffee at Mom's Diner:	This task assesses a student's ability to use the addition rule to compute a probability and to interpret a probability in context.

[Rain and Lightning:](#) This problem solving task challenges students to determine if two weather events are independent, and use that conclusion to find the probability of having similar weather events under certain conditions.

Parent Resources

Name	Description
Coffee at Mom's Diner:	This task assesses a student's ability to use the addition rule to compute a probability and to interpret a probability in context.
Rain and Lightning:	This problem solving task challenges students to determine if two weather events are independent, and use that conclusion to find the probability of having similar weather events under certain conditions.