



Probability Events - Scenario and Two Events to Probability of Union

<p>1</p> <p>Which expression gives $P(A \cup B)$?</p> <p>A spinner with three equal-sized sections coloured red, green, and blue is spun three times. Event A: The third spin lands on green. Event B: There is at least one red.</p> <p>A $P(A \cup B) = P(A) + P(B)$</p> <p>B $P(A \cup B) = P(A) + P(B) - P(A \cap B)$ (where $P(A \cap B) > 0$)</p> <p>C Neither of these</p>	<p>2</p> <p>Which expression gives $P(A \cup B)$?</p> <p>Two fair six-sided dice are rolled. Event A: The second die shows a 3. Event B: The total is greater than 10.</p> <p>A $P(A \cup B) = P(A) + P(B)$</p> <p>B $P(A \cup B) = P(A) + P(B) - P(A \cap B)$ (where $P(A \cap B) > 0$)</p> <p>C Neither of these</p>
<p>3</p> <p>Which expression gives $P(A \cup B)$?</p> <p>Three fair six-sided dice are rolled. Event A: The total is exactly 9. Event B: The total is exactly 6.</p> <p>A $P(A \cup B) = P(A) + P(B)$</p> <p>B $P(A \cup B) = P(A) + P(B) - P(A \cap B)$ (where $P(A \cap B) > 0$)</p> <p>C Neither of these</p>	<p>4</p> <p>Which expression gives $P(A \cup B)$?</p> <p>A spinner with three equal-sized sections coloured red, green, and blue is spun twice. Event A: There is at least one red. Event B: There is exactly one green.</p> <p>A $P(A \cup B) = P(A) + P(B)$</p> <p>B $P(A \cup B) = P(A) + P(B) - P(A \cap B)$ (where $P(A \cap B) > 0$)</p> <p>C Neither of these</p>
<p>5</p> <p>Which expression gives $P(A \cup B)$?</p> <p>A fair coin is flipped and a fair six-sided die is rolled. Event A: The coin shows heads. Event B: The die shows a 4.</p> <p>A $P(A \cup B) = P(A) + P(B)$</p> <p>B $P(A \cup B) = P(A) + P(B) - P(A \cap B)$ (where $P(A \cap B) > 0$)</p> <p>C Neither of these</p>	<p>6</p> <p>Which expression gives $P(A \cup B)$?</p> <p>A spinner with three equal-sized sections coloured red, green, and blue is spun three times. Event A: There is no blue. Event B: The third spin lands on blue.</p> <p>A $P(A \cup B) = P(A) + P(B)$</p> <p>B $P(A \cup B) = P(A) + P(B) - P(A \cap B)$ (where $P(A \cap B) > 0$)</p> <p>C Neither of these</p>
<p>7</p> <p>Which expression gives $P(A \cup B)$?</p> <p>Three fair six-sided dice are rolled. Event A: The total is less than 5. Event B: The third die shows a 5.</p> <p>A $P(A \cup B) = P(A) + P(B)$</p> <p>B $P(A \cup B) = P(A) + P(B) - P(A \cap B)$ (where $P(A \cap B) > 0$)</p> <p>C Neither of these</p>	<p>8</p> <p>Which expression gives $P(A \cup B)$?</p> <p>A spinner with three equal-sized sections coloured red, green, and blue is spun twice. Event A: There is no red. Event B: There is exactly one red.</p> <p>A $P(A \cup B) = P(A) + P(B)$</p> <p>B $P(A \cup B) = P(A) + P(B) - P(A \cap B)$ (where $P(A \cap B) > 0$)</p> <p>C Neither of these</p>