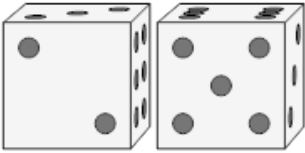
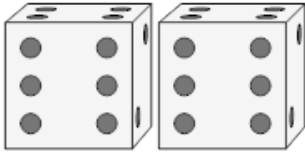
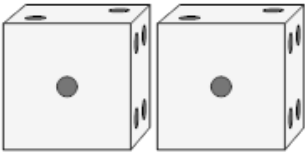
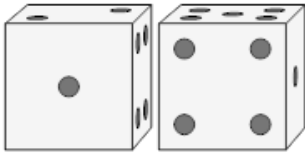
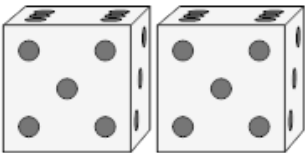
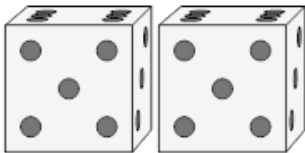
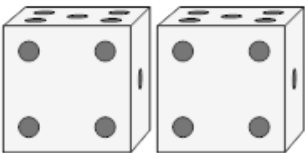
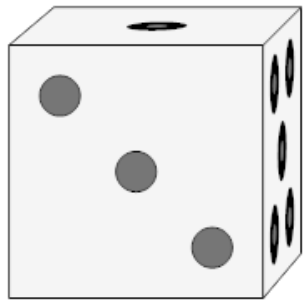




Probability Union, Intersection, Complement - Dice Example Problem to

Set Operation

<p>1 What set operation would give you the probability of one die showing a 5, given that the sum is 7?</p> 	<p>A $P(a\ 5 \text{sum } 7)$</p> <p>C $P(a\ 5 \cup \text{sum } 7)$</p>	<p>B $P(a\ 5')$</p>	<p>2 What set operation would give you the probability of both dice being a 6, given that at least one die is a 6?</p> 	<p>A $P(\text{two } 6s \cup \text{at least one } 6)$</p> <p>B $P(\text{two } 6s \cap \text{at least one } 6)$</p> <p>C $P(\text{two } 6s \text{at least one } 6)$</p>
<p>3 What set operation would give you the probability of rolling a 1 twice in a row?</p> 	<p>A $P(1'_1)$</p> <p>C $P(1_1 \cup 1_2)$</p>	<p>B $P(1_1 \cap 1_2)$</p>	<p>4 What set operation would give you the probability of one die showing a 1, given that the sum is 5?</p> 	<p>A $P(a\ 1')$</p> <p>B $P(a\ 1 \text{sum } 5)$</p> <p>C $P(\text{sum } 5 a\ 1)$</p>
<p>5 What set operation would give you the probability of rolling a 5 twice in a row?</p> 	<p>A $P(5'_1)$</p> <p>C $P(5_1 \cup 5_2)$</p>	<p>B $P(5_1 \cap 5_2)$</p>	<p>6 What set operation would give you the probability of both dice being a 5, given that at least one die is a 5?</p> 	<p>A $P(\text{two } 5s')$</p> <p>B $P(\text{two } 5s \cup \text{at least one } 5)$</p> <p>C $P(\text{two } 5s \text{at least one } 5)$</p>
<p>7 What set operation would give you the probability of rolling a 4 twice in a row?</p> 	<p>A $P(4_1 \cap 4_2)$</p> <p>C $P(4'_1)$</p>	<p>B $P(4_1 4_2)$</p>	<p>8 What set operation would give you the probability of not rolling a 3?</p> 	<p>A $P(3 3)$</p> <p>B $P(3 \cap 3)$</p> <p>C $P(3')$</p>