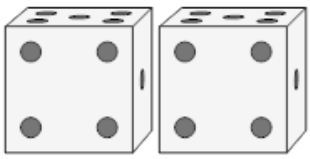
Name

Probability Union, Intersection, Complement - Dice Example Problem to Set Operation

1 What set operation would give you the probability of rolling a 4 at least once given two tries?

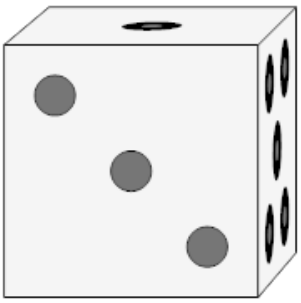


A $P(4_1 \cup 4_2)$

B $P(4_1|4_2)$

C $P(4_1')$

2 What set operation would give you the probability of not rolling a 3?

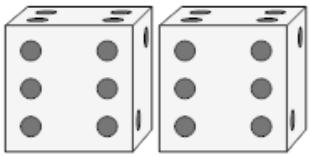


A $P(3 \cup 3)$

B $P(3|3)$

C $P(3')$

3 What set operation would give you the probability of rolling a 6 twice in a row?

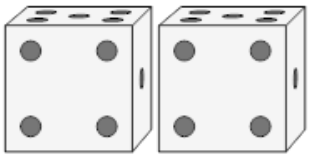


A $P(6_1 \cup 6_2)$

B $P(6_1')$

C $P(6_1 \cap 6_2)$

4 What set operation would give you the probability of rolling a 4 twice in a row?

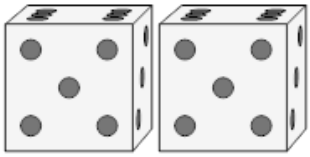


A $P(4_1')$

B $P(4_1 \cup 4_2)$

C $P(4_1 \cap 4_2)$

5 What set operation would give you the probability of rolling a 5 twice in a row?

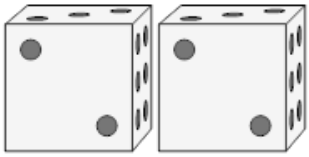


A $P(5_1 \cup 5_2)$

B $P(5_1')$

C $P(5_1 \cap 5_2)$

6 What set operation would give you the probability of rolling a 2 at least once given two tries?

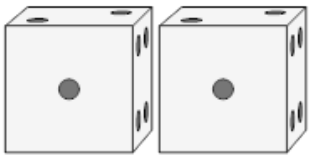


A $P(2_1|2_2)$

B $P(2_1 \cup 2_2)$

C $P(2_1')$

7 What set operation would give you the probability of rolling a 1 twice in a row?

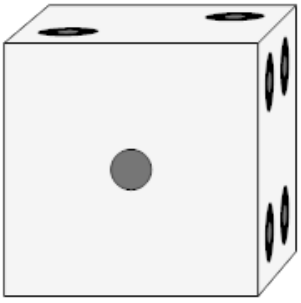


A $P(1_1|1_2)$

B $P(1_1')$

C $P(1_1 \cap 1_2)$

8 What set operation would give you the probability of not rolling a 1?



A $P(1 \cup 1)$

B $P(1 \cap 1)$

C $P(1')$