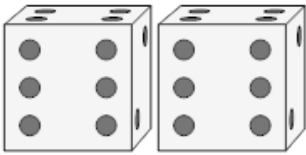


Probability Union, Intersection, Complement - Dice Example Problem to

Name _____

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

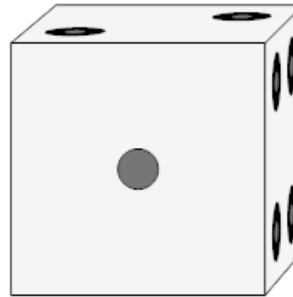


A 6_1 conditional on 6_2

B 6_1 intersect 6_2

C Complement of 6_1

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



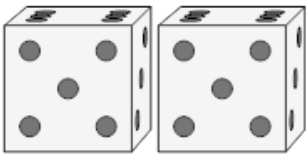
A (1) union (1)

B (1) intersect (1)

C Complement of (1)

D (1) conditional on (1)

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

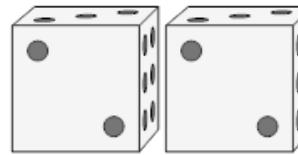


A 5_1 conditional on 5_2

B 5_1 intersect 5_2

C Complement of 5_1

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

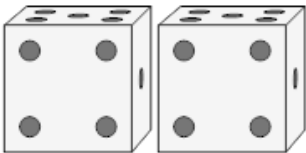


A 2_1 intersect 2_2

B 2_1 conditional on 2_2

C 2_1 union 2_2

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

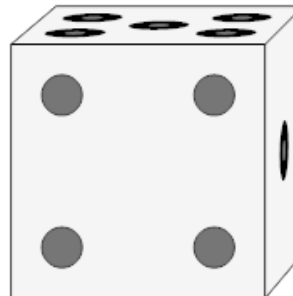


A 4_1 union 4_2

B 4_1 conditional on 4_2

C Complement of 4_1

6 What set operation would give you the probability of not rolling a 4?



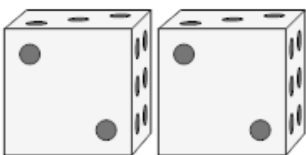
A (4) intersect (4)

B (4) union (4)

C Complement of (4)

D (4) conditional on (4)

7 What set operation would give you the probability of rolling a 2 twice in a row?

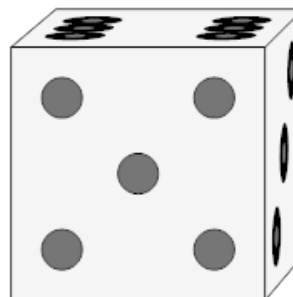


A 2_1 union 2_2

B Complement of 2_1

C 2_1 intersect 2_2

8 What set operation would give you the probability of not rolling a 5?



A (5) conditional on (5)

B Complement of (5)

C (5) union (5)

D (5) intersect (5)