Name

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

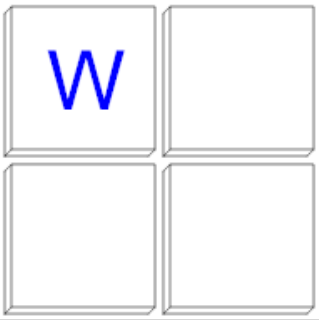
1 What set operation would give you the probability of flipping at least one tails in 2 tries?

A $P(\text{All Heads}|\text{All Heads})$

B $P(\text{All Heads} \cap \text{All Heads})$

C $P(\text{All Heads}')$

2 What set operation would give you the probability of drawing an 'W' at least once given two tries?

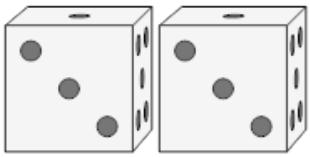


A $P(W_1 \cup W_2)$

B $P(W_1|W_2)$

C $P(W_1 \cap W_2)$

3 What set operation would give you the probability of rolling a 3 at least once given two tries?

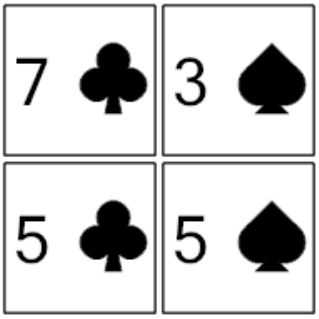


A $P(3_1 \cup 3_2)$

B $P(3_1|3_2)$

C $P(3_1')$

4 What set operation would give you the probability of drawing a card that is both odd and black?

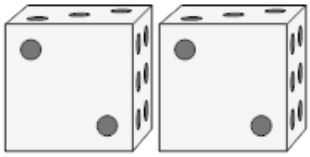


A $P(\text{odd} \cap \text{black})$

B $P(\text{odd}')$

C $P(\text{odd}|\text{black})$

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

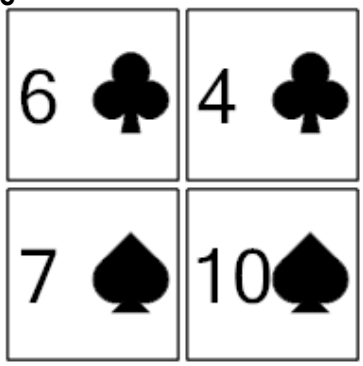


A $P(2_1 \cap 2_2)$

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

C $P(2_1')$

6

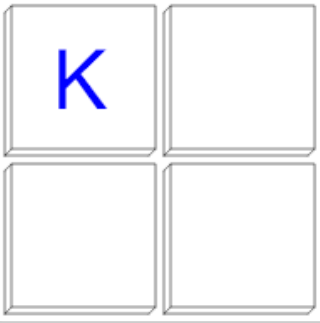


What set operation would give you the probability of drawing a card that is a Ace or black?

A $P(A \cup \text{black})$

B $P(A|\text{black})$

7 What set operation would give you the probability of drawing an 'K' twice in a row?

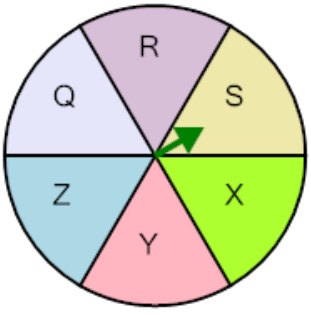


A $P(K_1|K_2)$

B $P(K_1 \cup K_2)$

C $P(K_1 \cap K_2)$

8 What set operation would give you the probability of not spinning 'S'?



A $P(S')$

B $P(S \cup S)$

C $P(S \cap S)$