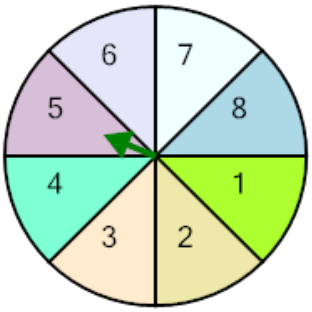
Name

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

1 What set operation would give you the probability of landing on 5, given that the spinner landed on a number greater than 4?

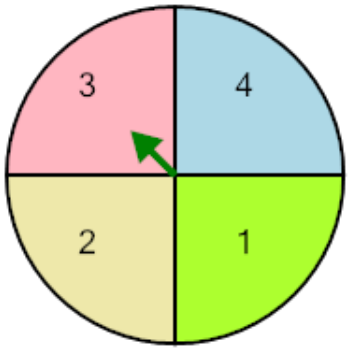


A $P(5|>4)$

B $P(5')$

C $P(5 \cup >4)$

2

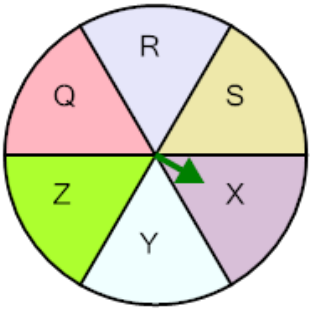


What set operation would give you the probability of landing on 3, given that the spinner landed on a number greater than 2?

A $P(3|>2)$

B $P(>2|3)$

3 What set operation would give you the probability of spinning 'X' twice in a row?

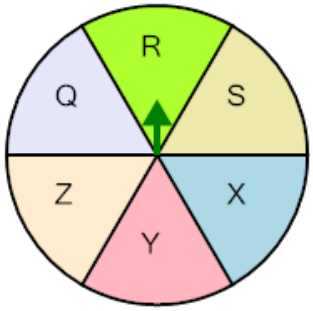


A $P(X_1 \cap X_2)$

B $P(X_1|X_2)$

C $P(X_1 \cup X_2)$

4 What set operation would give you the probability of spinning 'R' at least once given two tries?

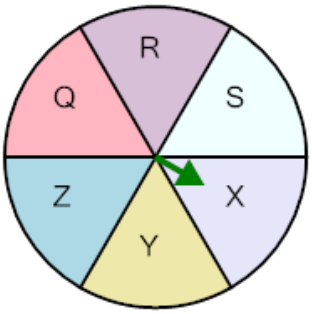


A $P(R_1|R_2)$

B $P(R_1 \cap R_2)$

C $P(R_1 \cup R_2)$

5 What set operation would give you the probability of spinning 'X' at least once given two tries?

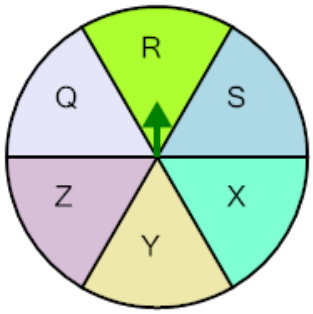


A $P(X_1 \cup X_2)$

B $P(X_1 \cap X_2)$

C $P(X_1')$

6 What set operation would give you the probability of not spinning 'R'?

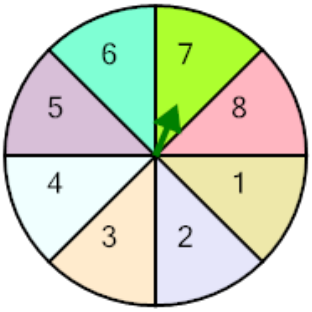


A $P(R \cap R)$

B $P(R \cup R)$

C $P(R')$

7 What set operation would give you the probability of landing on an odd number, given that the spinner landed on a number greater than 5?

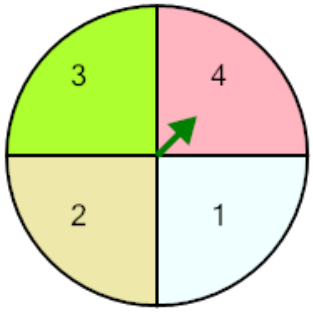


A $P(\text{odd}')$

B $P(\text{odd}|>5)$

C $P(>5|\text{odd})$

8 What set operation would give you the probability of landing on an even number, given that the spinner landed on a number greater than 2?



A $P(\text{even}|>2)$

B $P(>2|\text{even})$

C $P(\text{even}')$