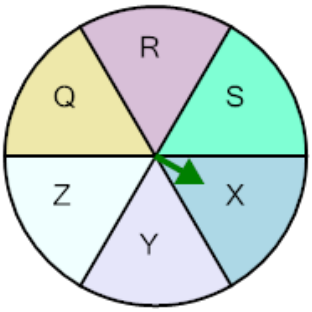
Name

Probability Union, Intersection, Complement - Spinner Example Problem to Formula

1 What formula would give you the chance of spinning 'X' at least once given two tries?

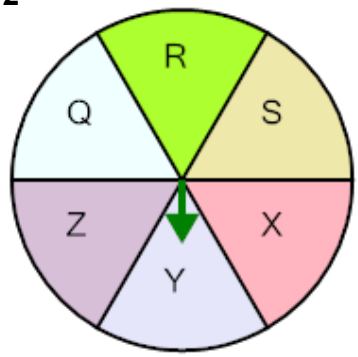


A $\dfrac{P(X_1 \cap X_2)}{P(X_2)}$

B $P(X_1) + P(X_2) - P(X_1 \cap X_2)$

C $P(X_1) \cdot P(X_2)$

2

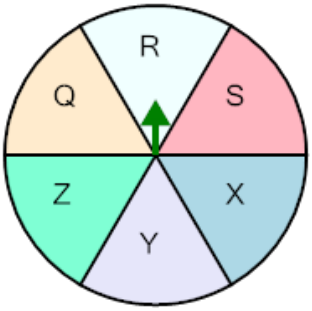


What formula would give you the chance of spinning 'Y' twice in a row?

A $P(Y_1) \cdot P(Y_2)$

B $\dfrac{P(Y_1 \cap Y_2)}{P(Y_2)}$

3 What formula would give you the chance of spinning 'R' twice in a row?

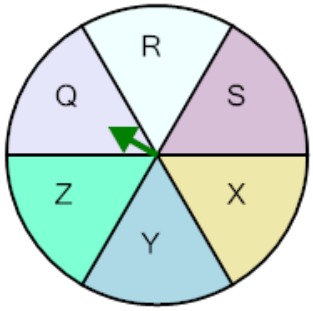


A $P(R_1) + P(R_2) - P(R_1 \cap R_2)$

B $P(R_1) \cdot P(R_2)$

C $\dfrac{P(R_1 \cap R_2)}{P(R_2)}$

4 What formula would give you the chance of spinning 'Q' at least once given two tries?

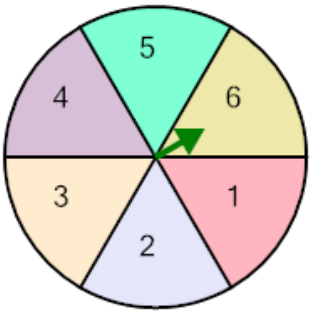


A $\dfrac{P(Q_1 \cap Q_2)}{P(Q_2)}$

B $P(Q_1) + P(Q_2) - P(Q_1 \cap Q_2)$

C $1 - P(Q_1)$

5 What formula would give you the chance of landing on 6, given that the spinner landed on a number greater than 2?

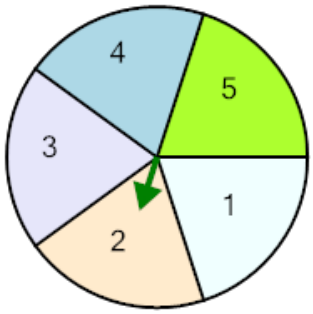


A $\dfrac{P(>2 \cap 6)}{P(6)}$

B $\dfrac{P(6 \cap >2)}{P(>2)}$

C $1 - P(6)$

6 What formula would give you the chance of landing on 2, given that the spinner landed on a number greater than 1?

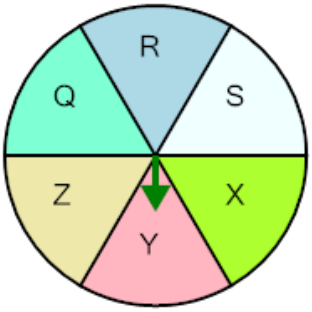


A $P(2) + P(>1) - P(2 \cap >1)$

B $1 - P(2)$

C $\dfrac{P(2 \cap >1)}{P(>1)}$

7 What formula would give you the chance of spinning 'Y' at least once given two tries?

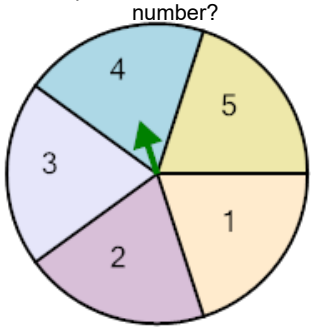


A $P(Y_1) + P(Y_2) - P(Y_1 \cap Y_2)$

B $P(Y_1) \cdot P(Y_2)$

C $\dfrac{P(Y_1 \cap Y_2)}{P(Y_2)}$

8 What formula would give you the chance of landing on 4, given that the spinner landed on an even number?



A $\dfrac{P(4 \cap \text{even})}{P(\text{even})}$

B $P(4) + P(\text{even}) - P(4 \cap \text{even})$

C $\dfrac{P(\text{even} \cap 4)}{P(4)}$