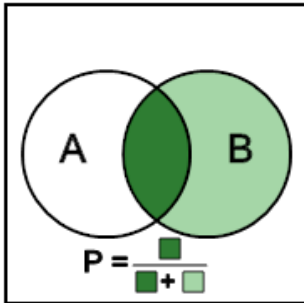


Probability Union, Intersection, Complement - Venn Diagram to Formula

1 What formula would calculate the green area in this Venn diagram

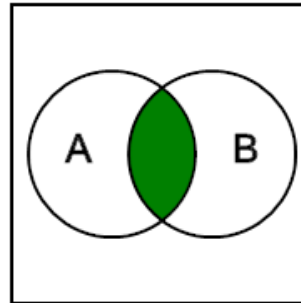


A $1 - P(A)$

B $\frac{P(B \cap A)}{P(A)}$

C $\frac{P(A \cap B)}{P(B)}$

2 What formula would calculate the green area in this Venn diagram if the events are independent?

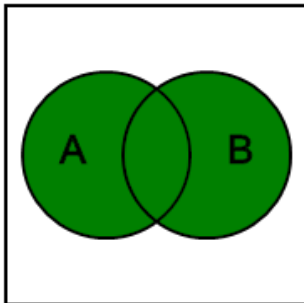


A $P(A) \cdot P(B)$

B $P(A) + P(B) - P(A \cap B)$

C $1 - P(A)$

3 What formula would calculate the green area in this Venn diagram



A $P(A) + P(B) - P(A \cap B)$

B $P(A) \cdot P(B)$

C $\frac{P(A \cap B)}{P(B)}$