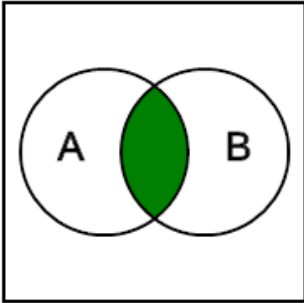


## Probability Union, Intersection, Complement - Venn Diagram to Formula

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

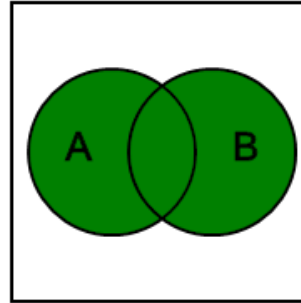


A  $\frac{P(A \cap B)}{P(B)}$

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

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

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

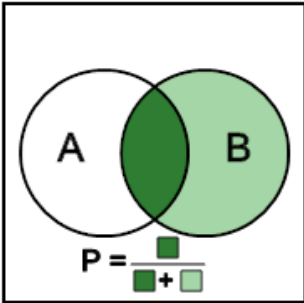


A  $\frac{P(A \cap B)}{P(B)}$

B  $1 - P(A)$

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

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



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

B  $1 - P(A)$

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