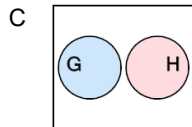
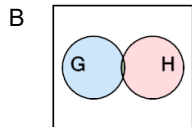
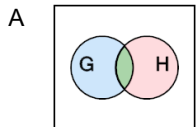




# Probability Union, Intersection, Complement - Intersection Probability to Venn Diagram and Details

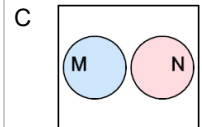
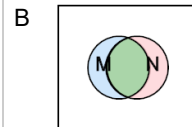
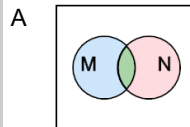
1 Which Venn diagram matches this information?

$$P(G \cap H) = 0$$



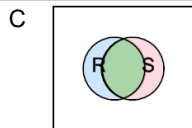
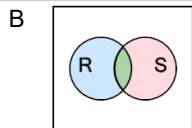
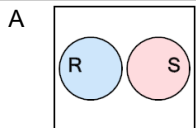
2 Which Venn diagram matches this information?

$$P(M \cap N) = P(M) \cdot P(N)$$



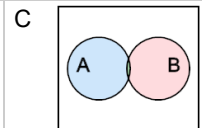
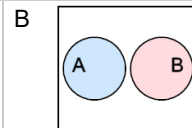
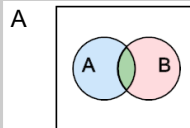
3 Which Venn diagram matches this information?

$$P(R \cap S) \neq P(R) \cdot P(S)$$



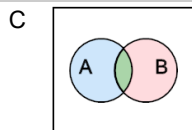
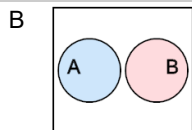
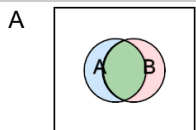
4 Which Venn diagram matches this information?

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



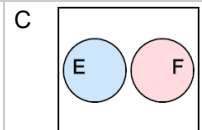
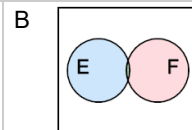
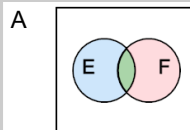
5 Which Venn diagram matches this information?

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



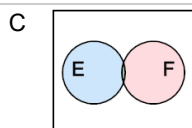
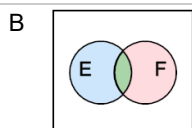
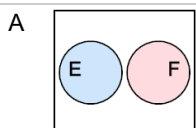
6 Which Venn diagram matches this information?

$$P(E \cap F) = P(E) \cdot P(F)$$



7 Which Venn diagram matches this information?

$$P(E \cap F) \neq P(E) \cdot P(F)$$



8 Which Venn diagram matches this information?

$$P(G \cap H) \neq P(G) \cdot P(H)$$

