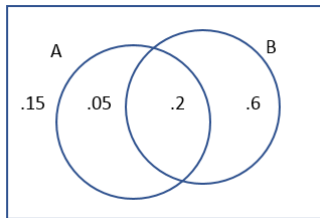


# Probability

## Question

Given the probabilities depicted in the Venn diagram below, determine which statement is true.



- a Events A and B are independent.
- b Events A and B are mutually exclusive.
- c Events A and B are both independent and mutually exclusive.
- d Events A and B are neither independent nor mutually exclusive.



It is recommended that students have use of a calculator for this question.

Answer: a. Show  $P(A \text{ and } B) = P(A) \times P(B)$