In an exam, two problems were asked 35% students solved problem 1 and 15% students solved both problems. How many students who solved first problem will also solve the second one?

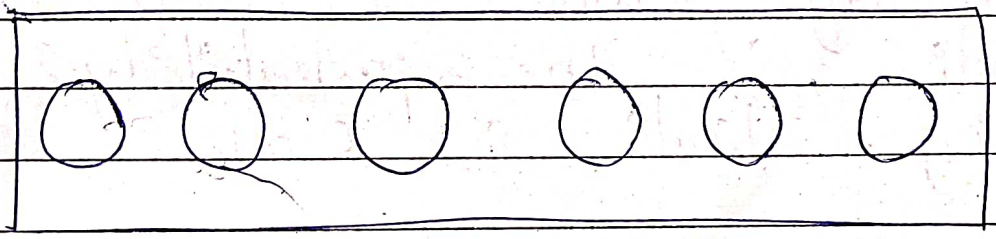
In a school the third language has to be chosen between Hindi and French. If a student has taken French then what is the probability that he will take Hindi, if the probability of taking Hindi is 0.34.

From given table shows the data of 10 pointer holder in given class of 30. Find the probability that student getting 10 pointer is girl

	10 pointer	Not 10 pointer
Girl	3	8
Boy	6	13

Independent Events:-

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



Red:-

Independent event

Dependent event

Example:-

The probability that 50 years old man will be alive at 60 is 0.83 and the probability that 45 years old woman will be alive at 55 is 0.97. What is the probability that man who is 50 and his wife who is 45 will both be alive 10 years hence?