

4. A survey of couples in a city found the following probabilities:
The probability that the husband is employed is 0.85.
The probability that the wife is employed is 0.60.
The probability that both are employed is 0.55.

A couple is selected at random. Find the probability that

- at least one of them is employed.
 - neither is employed.
5. One card is drawn from a standard deck of cards. What is the probability it is an ace or red?
6. A sample of automobiles dealerships found that 19% of automobiles sold are silver, 22% of automobiles sold are SUVs. 16% of automobiles are silver SUVs.
- Are the two events mutually exclusive?
 - What is the probability that a randomly chosen sold automobile is silver or an SUV?
7. The following table shows the number of males and females wearing jeans to class on a certain day.

	Jeans	Other	Total
M	12	5	17
F	8	11	19
Total	20	16	36

- What is the probability that a person is male and wears jeans?
- Find the probability that a person is a female or a male.
- Find the probability that a person is a female or wears jeans.
- Find the probability that a person is male or wears jeans.