|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | Summer Vacation This Year | | | |
|  |  | Yes | No | Total |
| Own a Computer | Yes No | 46 55 | 11 34 | 57 89 |
|  | Total | 101 | 45 | 146 |

Summer Vacation The table shows the results of a survey in which 146 families were asked if they own a computer and if they will be taking a summer vacation this year.

1. Find the probability that a randomly selected family is not taking a summer vacation this year.
2. Find the probability that a randomly selected family owns a computer.
3. Find the probability a randomly selected family is taking a summer vacation this given that they own a computer.
4. Find the probability a randomly selected family is taking a summer vacation this year and owns a computer.
5. Are the events of owning a computer and taking a summer vacation this year independent or depending events? Explain.