

ACTIVITY
Two Way Table

On April 15, 1912, the Titanic struck an iceberg and rapidly sank with only 710 of her 2,204 passengers and crew surviving. Data on survival of passengers are summarized in the table below.

	Survived	Did Not Survived	Total
First Class Passengers	201	123	324
Second Class Passengers	118	166	284
Third Class Passengers	181	528	709
Total Passengers	500	817	1317

Calculate the following probabilities. Round your answers to the nearest hundredth place. Write your answer also as a percentage.

- a) If one of the passengers is randomly selected, what is the probability that this passenger was in first class?
- b) If one of the passengers is randomly selected, what is the probability that this passenger survived?
- c) If one of the passengers is randomly selected, what is the probability that this passenger did not survive?
- d) If one of the passengers is randomly selected, what is the probability that this passenger was in second class?
- e) If one of the passengers is randomly selected, what is the probability that this passenger did not survive AND is in first class?
- f) If one of the passengers is randomly selected, what is the probability that this passenger did not survive AND is in third class?