

The table below contains information on the gender and survival of people on the *Titanic*.

	Male	Female	Total
Survived	367	343	710
Died	1,387	127	1,514
Total	1,754	470	2,224

- (a) What is the probability that a person chosen at random survived?
- (b) What is the probability that a person chosen at random died?
- (c) What is the probability that a person chosen at random was female?
- (d) What is the probability that a person chosen at random was male?
- (e) What is the probability that a person chosen at random was female and did not survive?
- (f) What is the probability that a person chosen at random was female and survived?
- (g) What is the probability that a person chosen at random was female or survived?
- (h) What is the probability that a person chosen at random was male and survived?
- (i) What is the probability that a person chosen at random was male or died?
- (j) What is the probability that a person chosen at random was female if the person died?
- (k) What is the probability that a person chosen at random was a female survivor?
- (l) What is the probability that a person chosen at random male survivor?
- (m) What is the probability that a person chosen at random did not survive or was male?
- (n) What is the probability that a person chosen at random did not survive?
- (o) What is the probability that a person chosen at random survived if the person was female?
- (p) What is the probability that a person chosen at random is male given the person died?
- (q) What is the probability that a person chosen at random died given the person is female?
- (r) What is the probability that a person chosen at random survived given the person is male?