

A frequency table

Relative frequency

	Have Allergies	Don't Have Allergies	Total
Have Asthma	40	43	83
Don't Have Asthma	42	???	108
Total	82	109	191

The table shows the number of students in a school who have allergies and/or have asthma. What is the missing number in the table?

- a. 66
- b. 59
- c. 69
- d. 88

The two-way table shows the number of students in a school who bring their lunch and/or who ride the bus. How many fewer bring lunch than ride the bus?

	Bring Lunch	Don't Bring Lunch	Total
Ride Bus	47	56	103
Don't Ride Bus	34	55	89
Total	81	111	192

- a. 25
- b. 22
- c. 24
- d. 21

The table shows the number of students in a school who like dodgeball and/or ping pong. What is the relative frequency, by row, of students who like both dodgeball and ping pong?

	Like Dodgeball	Don't Like Dodgeball	Total
Like Ping-Pong	44	56	100
Don't Like Ping-Pong	36	64	100
Total	80	120	200

- a. 44%  
b. 47%  
c. 46%  
d. 43%

Kendall surveyed the students at her school to find out if they like horror movies and/or animated movies. The table below shows the results of the survey. If a student likes horror movies, what is the probability that student also likes animated movies?

	Like Horror Movies	Don't Like Horror Movies	Total
Like Animated Movies	49	48	97
Don't Like Animated Movies	50	51	101
Total	99	99	198

- a. 49.5%  
b. 50.5%  
c. 51.5%  
d. 52.5%

A group of students were surveyed to find out if they like working as a camp counselor and/or as a lifeguard during summer break. The results of the survey are shown below.

81 students like working as a camp counselor.  
44 students like working as a camp counselor but do not like working as a life guard.  
96 students like working as a life guard.  
57 students do not like working as a camp counselor or life guard.

Four students created the table below to represent the data. Which represents camp counselor and life guard?

Student	Like CC	Don't Like CC	Total
Like LG	31	57	88
Don't Like LG	44	57	101
Total	75	114	189

Brandon	Like CC	Don't Like CC	Total
Like LG	44	57	101
Don't Like LG	31	57	88
Total	75	114	189

Jenny	Like CC	Don't Like CC	Total
Like LG	31	57	88
Don't Like LG	44	57	101
Total	75	114	189

Amy	Like CC	Don't Like CC	Total
Like LG	31	57	88
Don't Like LG	44	57	101
Total	75	114	189

- a. Steven  
b. Amy  
c. Jenny  
d. Brandon

	Have Allergies	Don't Have Allergies	Total
Have Asthma	50	45	95
Don't Have Asthma	37	???	105
Total	87	113	200

The table shows the number of students in a school who have allergies and/or have asthma. What is the missing number in the table?

- a. 69  
b. 47  
c. 78  
d. 68