





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.

75 students like working as a camp counselor

43 students like working as a camp counselor but do not like working as a life guard

72 students like working as a life guard

57 students do not like working as a camp counselor or life guard

Four students created the tables below to represent the data. CC represents camp counselor and LG represents lifeguard. Which student's table is correct?

<b>Steve</b>	Like CC	Don't Like CC	Total
Like LG	32	40	72
Don't Like LG	42	57	100
Total	75	97	172

<b>Brandon</b>	Like CC	Don't Like CC	Total
Like LG	32	40	72
Don't Like LG	43	57	100
Total	75	97	172

<b>Jenny</b>	Like CC	Don't Like CC	Total
Like LG	32	40	72
Don't Like LG	43	58	100
Total	75	97	172

<b>Amy</b>	Like CC	Don't Like CC	Total
Like LG	32	40	72
Don't Like LG	43	57	100
Total	76	97	172

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

\_\_\_\_\_ 6.

	Have Allergies	Don't Have Allergies	Total
Have Asthma	45	38	83
Don't Have Asthma	44	???	97
Total	89	91	180

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?

- [illegible]

7. 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	42	48	90
Don't Like Animated Movies	47	67	114
Total	89	115	204

- a. 47.2%                      c. 48.2%
- b. 44.2%                      d. 49.2%

8. 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	31	56	87
Don't Like Ping-Pong	47	50	97
Total	78	106	184

- a. 38.6%                      c. 33.6%  
b. 35.6%                      d. 34.6%



## Frequency Tables

### Answer Section

#### MULTIPLE CHOICE

- |           |        |          |
|-----------|--------|----------|
| 1. ANS: B | PTS: 1 | REF: 6.5 |
| 2. ANS: A | PTS: 1 | REF: 6.5 |
| 3. ANS: B | PTS: 1 | REF: 6.5 |
| 4. ANS: B | PTS: 1 | REF: 6.5 |
| 5. ANS: B | PTS: 1 | REF: 6.5 |
| 6. ANS: D | PTS: 1 | REF: 6.5 |
| 7. ANS: A | PTS: 1 | REF: 6.5 |
| 8. ANS: B | PTS: 1 | REF: 6.5 |

