

# TWO-WAY TABLES – PART 1

Name: \_\_\_\_\_

1. The two-way table shows the results of a student survey.
  - a. How many students like skateboards?
  - b. How many students do not like skateboards or snowmobiles?
  - c. Find and interpret the sum of the entries in each row and column.
  - d. How many students were surveyed?
  - e. What percentage of students surveyed like both snowmobiles and skateboards?
  - f. What percentage of students surveyed like snowmobiles, but not skateboards?

	Like Skateboards	Do Not Like Skateboards	Total
Like Snowmobiles	80	25	
Do Not Like Snowmobiles	45	10	
Total			

2. You randomly survey a group of people about what kind of vehicle they drive. The results of the survey are shown in the two way table.

- a. Find and interpret the sum of the entries in each row and column.
- b. How many people were surveyed?
- c. How many people drive an SUV?
- d. How many females drive a sports car?
- e. What percentage of people surveyed were female?
- f. What percentage of males surveyed drive a sports car?
- g. What percentage of females drive a sports car?
- h. Based on this survey, what could you say about male and female vehicle choices?

	Sport Utility Vehicle (SUV)	Sports Car	Total
Male	21	39	
Female	135	45	
Total			

3. Use the two-way table to answer the following questions.
  - a. Find and interpret the sum of the entries in each row and column.
  - b. How many students were surveyed?
  - c. What percentage of students that took medicine still had a headache?
  - d. What percentage of students surveyed did not take medicine?

	Took Medicine	No Medicine	Total
Headache	12	15	
No Headache	48	25	
Total			