

# 5.1 Frequency Tables

## ALGEBRA

Write your questions here!



What is your favorite soft drink?

### Categorical Data

#### TWO WAY FREQUENCY TABLE

	Coke	Dr Pepper	Sprite	Mountain Dew
High School	18	12	4	13
Middle School	12	10	6	28

Which Wednesday afterschool activity are you involved in?

#### TWO WAY FREQUENCY TABLE

		ACTIVITY				Total
		Basketball	Math Club	Band	Not Involved	
GENDER	Male	30			50	98
	Female		26	14	30	
Total		42		22		

How many students are surveyed?

How many students are in math club?

#### RELATIVE FREQUENCY TABLE

		ACTIVITY				Total
		Basketball	Math Club	Band	Not Involved	
GENDER	Male					
	Female					
Total						

What percent of students surveyed are Male?

What percent of students surveyed are Females in Basketball?

## TWO WAY FREQUENCY TABLE

		AGE				Total
		12-13	14-15	16-17	18-19	
Share a Computer	Yes	40	47	42	22	151
	No	10	25	36	34	105
Total		50	72	78	56	

## ASSOCIATION

### CONDITIONAL RELATIVE FREQUENCY TABLE

Given a student's age, find the conditional relative frequency the student shares a computer.

		AGE				Total
		12-13	14-15	16-17	18-19	
Share a Computer	Yes					
	No					
Total						

Suppose you select a person at random, if the person is 15 years old, do you think that they share a computer?

**SMP #2**

### CONDITIONAL RELATIVE FREQUENCY TABLE

Given a student shares a computer, find the conditional relative frequency of the student's age.

		AGE				Total
		12-13	14-15	16-17	18-19	
Share a Computer	Yes					
	No					
Total						

Suppose you select a person at random, if the student shares a computer, how likely are they to be 16-17 years old?

## SUMMARY:

