

### Guided Notes 8.1: Two-way Frequency Tables

**A. Vocabulary**

1. Data that can be expressed with numbers is called \_\_\_\_\_.
2. Data that can't be expressed using numbers is called \_\_\_\_\_.

**B. Identify whether the given data is categorical or quantitative.**

1. temperature
2. color
3. height
4. # on a jersey

**C. A \_\_\_\_\_ shows how often each item occurs in a set of categorical data.**

Use the categorical data listed on the left to complete the frequency table.

<b>Ways to School</b>														
Bus	car	walk	car	car	car	bus	walk	walk	walk	bus	bus	car	bus	bus

<b>Way</b>	<b>Frequency</b>
bus	
car	

**D. A \_\_\_\_\_ has two categorical variables.**

**E. Complete the two-way frequency table.**

1. A high school's administration asked 100 randomly selected students in 9<sup>th</sup> and 10<sup>th</sup> grades about what fruit they like best.

Grade	Preferred Fruit			Total
	Apple	Orange	Banana	
9 <sup>th</sup>	19	12	23	
10 <sup>th</sup>	22	9	15	
Total				

2.

	Eat Cereal for Breakfast?		
Gender	Yes	No	Total
Girl	42	12	54
Boy			
Total			100