Name _____   Date_____

Lesson 13: Summarizing Bivariate Categorical Data in Two-Way Tables

1. Explain what the term **bivariate categorical data** means.

2. Explain how to calculate relative frequency. What is another word for **relative frequency**?

3. A random group of students is polled about how they get to school. The results are summarized in the table below.

		School Transportation Survey			
		Walk	Ride Bus	Carpool	Total
Gender	Male	9	26	9	44
	Female	8	26	24	58
	Total	17	52	33	102

a. Calculate the relative frequencies for the table above. Write them as a percent in each cell of the table. Round to the nearest tenth of a percent.

b. What is the relative frequency for the "Carpool" category? Write a sentence interpreting this value in the context of school transportation.

c. What is the proportion of students that are female and walk to school? Write a sentence interpreting this value in the context of school transportation.

d. A student is selected at random from this school. What would you predict this student's mode of school transportation to be? Explain.