

Classwork on Joint, Marginal, and Conditional Relative Frequency

A group of 40 randomly selected Kimball High students were surveyed about what their favorite flavor of ice cream was. Some of the data is provided below: Complete the table.

	Vanilla	Chocolate	Other	Total
Boys		8		
Girls	6		5	
Total		22	8	

For each problem,

- Decide whether what is being asked is joint relative frequency, marginal relative frequency, or a conditional relative frequency.
- Find the relative frequency.

(Write it as a fraction, decimal, and a percent)

- The frequency of liking Vanilla over the other choices.
- The frequency of liking chocolate given that they are a girl.
- The frequency of a girl liking chocolate.
- The frequency of a boy given that they said they prefer OTHER.
- The frequency of a boy who likes vanilla.
- The frequency of all the girls surveyed.

Frequency	Type of Frequency