## Lesson 7: Graph and Answer

* Let’s represent our data on scaled bar graphs and answer questions about the data.

### Warm-up: Notice and Wonder: Graph

What do you notice? What do you wonder?



### 7.1: Draw a Scaled Bar Graph

Work with your group to create a bar graph that represents your survey data. When drawing your bar graph, think about:

* what each unit on the graph represents
* how tall the bar will be for the most popular category and for the least popular category
* the title and labels to use

### 7.2: Ask and Answer Questions

1. Write questions that could be answered with your bar graph by completing these sentences.
	1. How many more students liked \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
	* than \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ ?
	1. How many fewer students liked \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_than
	* \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ ?
	1. How many more students liked \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_or
	* \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ than \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ ?
2. Use your partner’s graph to answer their questions. Show or explain your reasoning.
* The answers to the questions from \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ ’s graph:



© CC BY 2021 Illustrative Mathematics®