## Lesson 18: Class Surveys

* Let’s create our own surveys to get to know our classmates better.

### Warm-up: What Do You Know About Bar Graphs?

What do you know about bar graphs?

### 18.1: Classroom Survey and Graph

1. What is your survey question?
2. What are your categories?
   * Category 1: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
   * Category 2: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
   * Category 3: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
   * Category 4: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
3. Record the data.
4. Organize and represent the data in a picture graph or bar graph.

### 18.2: I Ask, then You Ask

1. Trade graphs. Create questions about the other group’s graph.

* Sentence stems:
* How many students picked \_\_\_\_\_\_\_\_\_\_\_ and \_\_\_\_\_\_\_\_\_\_ all together?
* How many more students picked \_\_\_\_\_\_\_ than \_\_\_\_\_\_\_?

1. Take turns asking and answering questions.

### 18.3: Analyze the Data with Diagrams

1. Draw a diagram. Your diagram should compare two facts you learned from your survey.
2. Write an equation that represents the comparison.



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