

Student Worksheet Local to Global

NAME _____

Data comes from a variety of sources – individuals can collect data at a local level or one point in time and then combine those observations or data points to show information and how it changes over time or over a larger spatial area. We can also collect data with satellites which provide large areas of remotely sensed observations and can even provide global pictures of data/science phenomena.

We are going to answer a series of questions and then combine the data to see patterns on a larger scale.

First, answer the questions below.

1. How much experience have you had with a full plant life cycle (seed to seed)?

Experiences might include in class or at home planting, growing, and harvesting.

- I have never planted or grown anything
- I have helped people garden
- I have planted a seed and watched it grow until it bloomed/fruited
- I have grown fruits/vegetables for years

symbols: never  helper  planted & grown  years of garden 

2. What do you think is the main reason many people don't grow food where they live?

- Not enough space
- Not enough time
- Don't know how
- Too much trouble

symbols: No space  No time  Don't know  Too much 

3. In the future, do you think there will be more, less, or about the same number of people in our city growing some of their own food?

- A lot less
- A little less
- About the same
- A little more
- A lot more

Colors + Shades: Dark Red, Pink, Yellow, Light Green, Dark Green

4. Do you eat more fruits or vegetables every day?

- Fruit
- Vegetable

Fruit - draw a banana Vegetable - draw a carrot

5. [Go here](#) and explore the number of fruits and vegetables that the American Heart Association recommends we consume each day while paying attention to what constitutes a serving.

Decide if your average personal daily consumption of fruits and vegetables meets their recommendation.

How much was your consumption above or below the average?

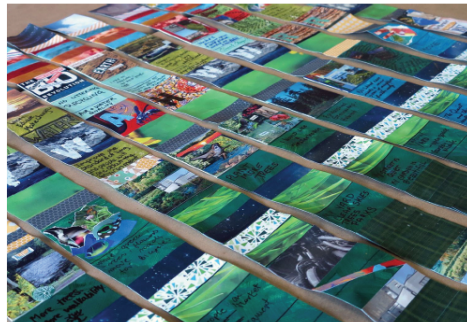
- 5 or more below average
- 2-4 below average
- About average (only 1 above or 1 below)
- 2-4 above average
- 5 or more above average

Symbols: Arrows: two-down, one-down, straight line, one-up, two-up



Now we are going to look at all our data together as a class. Take 1 minute of silent reflection/ observation of our 'fence posts' then answer the questions below.

1. What patterns do you notice?
2. What do the patterns tell us about our collected data?
3. Do you think the patterns would be different in other locations/with other ages/more people?



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