

# Graph A Survey Question

Grades 2 - 5



## Purpose of this activity:

To learn/practice data gathering and to create a graph to show the data in an understandable visual way.

## What you'll need:

Paper, pencil, connecting cubes, question worksheet for this activity.

## How to play:

1. First, pick a topic that you are interested in (favorite food, favorite game, outdoor activity, treat, etc.) You will use ask this question to as many people as you can (other students in your class, family members, or friends in the neighborhood. Mark the answers you get for use when making the graph. Example: What is your favorite food? Choices are:  
Pizza I I I I  
Hamburgers I I I  
Tacos I I I I I  
Chicken nuggets I I I
2. Once you have gathered the answers, get the connecting cubes and pull out enough of one color to make a stack for the first question asked (from example above, pizza would need 4 red cubes). Pull the correct number of a different color cube for the next question (3 brown cubes for hamburger). Continue with this process until you have a different color stack of cubes for each question.
3. Put the stacks on a piece of paper and under each stack, write the name of the item the stack represents.
4. Using the graph you just made, answer the questions on the question page for this activity.

## Graph a Survey Question

1. Which column has the most votes? \_\_\_\_\_
2. Which column has the fewest votes? \_\_\_\_\_
3. Which columns (if any) have an equal number of votes? \_\_\_\_\_
4. How many more votes did the column with the most votes get compared to the fewest votes? \_\_\_\_\_
5. What is the difference between the first column and the second column? (hint: subtract to find the answer) \_\_\_\_\_
6. What is the difference between columns 2 and 3? \_\_\_\_\_
7. How many people did you ask in your survey? \_\_\_\_\_
8. How many people voted for the first column? (Please write it as a fraction. For example if 5 out of 12 people voted for the first column, the fraction would look like this: 5/12. ) \_\_\_\_\_