



# Counting and Graphing

## Gather

- Toys from your room (stuffed animals or blocks, you decide!)
- Paper for counting/graphing (graph on page 2, or draw your own!)
- Colored pencils or crayons for graph

## Let's Math!

1. Separate your toys into groups, maybe by type, size, or color (such as the types of stuffed animals you have or the color of LEGO that you have.)
2. Count how many in each group.
3. Label the bottom of the graph with the type of groups you have.
4. Number the side of your graph so that the numbers you count can fit! Maybe you'll count by 1s or 2s or 5s...it all depends on what you've got!

## How Does it Work?

The purpose of a graph is to visually show how many or to show a relationship between two things. It can help us predict or made a good guess of other groups or other relationships.

[https://www.abcya.com/games/fuzz\\_bugs\\_graphing](https://www.abcya.com/games/fuzz_bugs_graphing)

<https://nces.ed.gov/nceskids/graphing/classic/>

<https://www.mathsisfun.com/data/data-graph.php>

## Take it Further!

Have everyone in your family take a handful of a colorful cereal or some snack mix and separate it. Count the different groups have everyone make their own graphs. How are the graphs alike? How are they different? Try again, only this time have everyone take TWO handfuls. What does this change? Is one amount always different than the other?



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