

# Pie Chart

**Survey your family and friends to learn about making sense of data**

Every day, humans create about 2.5 quintillion bytes of data! A quintillion is equal to a billion billions. Hard to wrap your head around that number!

All that data may be overwhelming, but the information can be sorted and used to understand our world. In our information age, data organization and analysis is a powerful tool that allows us to draw conclusions, kind of like putting pieces of a puzzle together to see the bigger picture.

Data is often organized in graphs or charts for analysis.

Graphs and charts help us understand information visually. Different types of graphs are used to show different kinds of data. Bar graphs compare different measurements using bars, line graphs show how things change across a range with connected dots, and circle graphs, or pie charts, show parts of a whole.

A pie chart gets its name because it looks like a pie cut into slices. The whole pie represents all the data, and each slice shows how much of the whole is taken up by a specific category.

**To learn more about sorting and visualizing data, you can make your own pie chart!**



## **What You'll Need:**

- Our Pie Chart printout (link), or create your own
- A handful of volunteers to take your survey
- Crayons in at least 3 colors



## **What You'll Do:**

1. Find lots of family and friends to ask a simple question—  
“What’s your favorite type of pie?”
2. Write down the results of your survey.
3. Plot your results on the pie chart.  
Each slice should reflect a type of pie and the number of people who say it’s their favorite.  
The pie pieces should be sized in proportion to the numbers.
4. Try other survey topics for different pie charts.  
Here are a few suggestions, or you can come up with your own:
  - Favorite ice cream
  - Favorite family tradition

