

Name _____

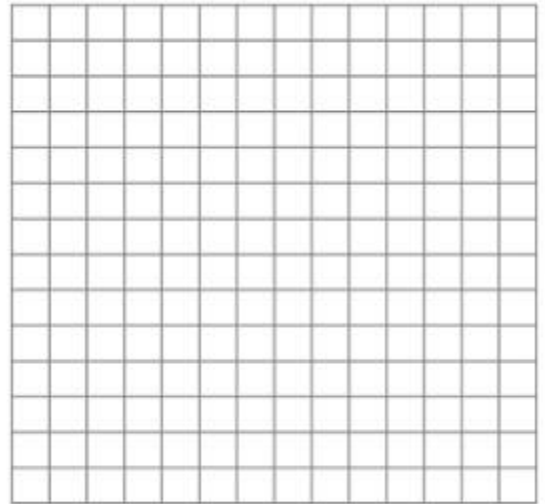
Froot Loops Graphing Activity

Separate your Froot Loops by color. Fill in the data table.

Color	Number

Bar Graph

Create a **bar graph** of the data from the table. Every graph should have a title that tells you what the graph is showing, labels on the x and y-axis (include units), and the intervals between the numbers should be even.



Percentages

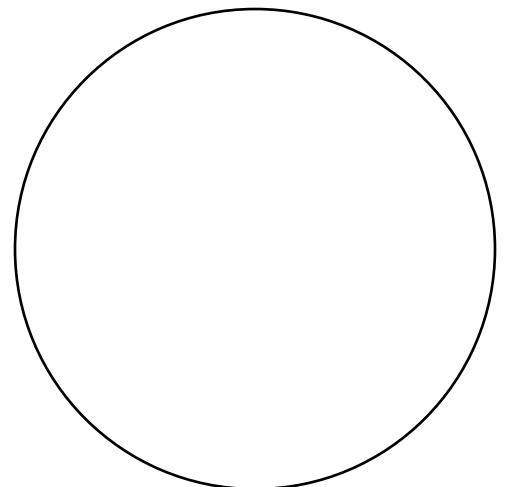
Calculate the percentages of each color. To calculate the percentage, divide the number of each color by the total number of froot loops and multiply by 100%: $(\# \text{ of color} \div \text{total } \#) \times 100\%$. Yes, the smaller number is divided by the larger number, you will get a decimal.

Total Froot Loops= _____

Color	Set up equation	Percentage

Pie Chart

Use your percentages to create a pie chart. Your pie slices can be estimated, for example, you know 22% is about $\frac{1}{4}$ of the circle or 51% is about half. Your pie chart should be labeled and have a title.



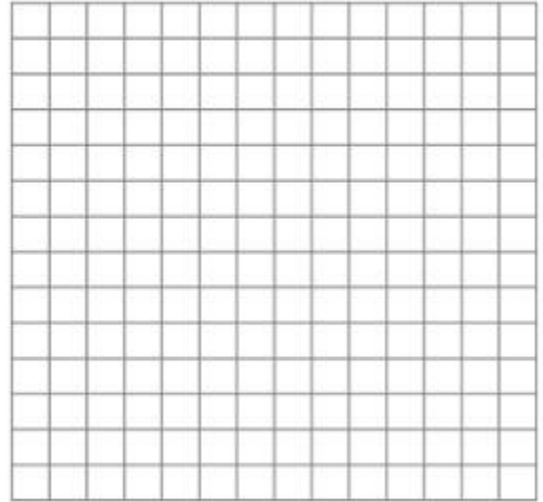
Line Graph

Choose your favorite color. Fill out the number of froot loops you are starting with on the table.

You will be tracking the rate at which froot loops disappear. You will either eat 1 at a time or throw 1 at a time away. You will do this in 15 sec intervals. Record how many are left at the end of each interval.

Start	15s	30s	45s	60s

Create a **line graph** of the data from the table. Time should go on the x-axis and number remaining should go on the y-axis. Your graph should have a title.



Froot Loops Graphing Activity-Follow Up Questions

1. What kind of information does a bar graph show?

2. How is a pie chart used?

3. What is a line graph used to show?

4. Explain when you would use a bar graph vs. a pie chart.

5. Compare when you would use a bar graph vs. a line graph.
