**Graphing Practice**

**#1- Use the data from #1 on your data table practice sheet to make a graph .**

**Question:** How does the type of oil (A,B,C,D) affect the amount of time it takes for a water drop to fall through the oil?

1. Write your title on the title line below.
2. What kind of graph will you make? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Why? \_Because the data for the independent variable is\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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1. Label the X-axis and Y-axis. Be sure to include units.
2. Number the first line as zero for either axis that needs numbered.
3. Number the intervals or label the categories on each axis.
4. Graph the average data.

**#2- Use data to build from #2 on your data table practice sheet to make a graph.**

**Question:** How does the type of fruit (apple, pear, peach) affect the time it takes to turn brown?

1. Write your title on the title line below.
2. What kind of graph will you make? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Why? \_Because the data for the independent variable is\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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1. Label the X-axis and Y-axis. Be sure to include units.
2. Number the first line as zero for either axis that needs numbered.
3. Number the intervals or label the categories on each axis.
4. Graph the average data.

**#3- Use data to build from #3 on your data table practice sheet to make a graph**

**Question:** How does the temperature of oil affect the time it takes for water drops to fall through it?

**#4- Fill in the data table and averages on your data practice sheet with the data below. Use that to make a graph.**

Alpo 10 min 12 min 9 min

Iams 22 min 15 min 17 min

Purina Puppy Chow 8 min 14 min 17 min

Science Diet. 25 min 23 min 16 min