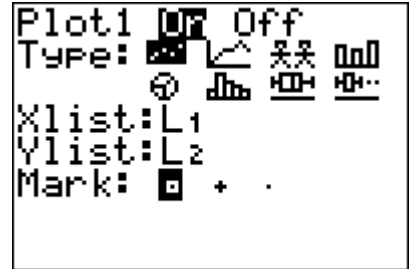# It's Out Of The Park

Name _____

Class _____

Problem 1 – Creating a Scatter Plot

In this activity, you'll set up different types of stat plots and use the graphs to answer questions.

1. Set up a Scatter Plot with **L1** as the Xlist and **L2** as the Ylist.

Press 0) e   to access the set up for **Plot1**. Then, use the arrow keys and e   to make selections.

```
Plot1 On Off
Type:▪▪ ▵ ⁂ ▥
     ⊙ ⊿ ▥ ▥
Xlist:L₁
Ylist:L₂
Mark: ▫ + ·
```

2. Press +   and choose **ZoomStat** to display the graph. Sketch the graph at the right.

3. What information can you gather from the graph?

_____

_____

_____

Problem 2 – Creating a Histogram

4. Change Plot1 to a Histogram using **L3**. Set **Xmin** to 300, **Xmax** to 800, and **Xscl** to 50.

```
Plot1 On Off
Type:▵ ▵ ⁂ ▥
     ⊙ ▥ ▥ ▥
Xlist:L₃
Freq:1
```

5. How is the set up of this graph different from the scatter plot above? _____

_____

_____

6. Sketch the graph at the right.

7. What is easier to see with this type of graph?

_____

_____
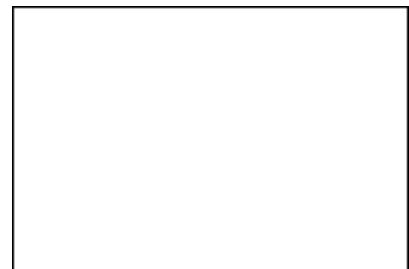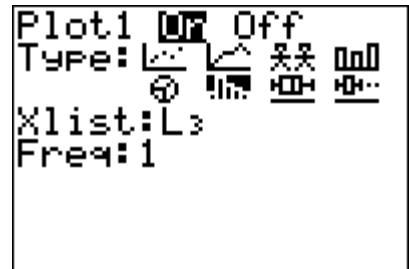
_____

8. What happens to the graph if you adjust the **Xscl** to be wider? More narrow?
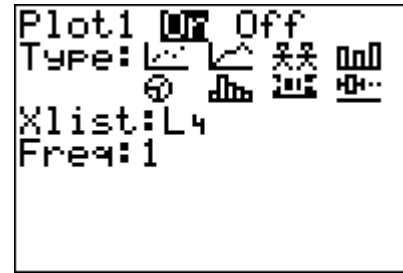
_____

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Problem 3 – Creating Box Plots

9. Change Plot1 to a Box Plot using **L4**.
   Set up Plot2 to a Box Plot using **L5**.

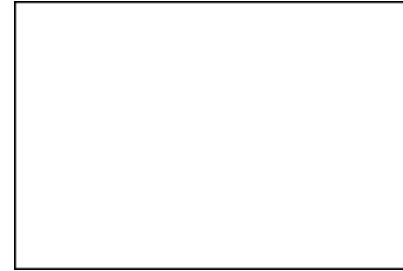   Press + and choose **ZoomStat** to display the graph.

```
Plot1 On Off
Type: ⌐ ⌐ ⽒ ▥
      ⊙ ⫟ ▦ ▦
Xlist:L4
Freq:1
```

10. Sketch the graph at the right.

11. Press , and use the arrows to explore the parts of the graph. What does this graph allow you to do?
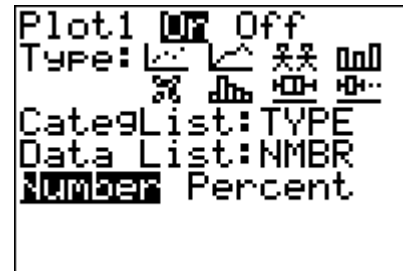
   _____

   _____

12. What can you gather from the graph?_____

   _____

Problem 4 – Creating a Circle Graph

13. Set up a Circle Graph using **TYPE** and **NMBR**.

```
Plot1 On Off
Type: ⌐ ⌐ ⽒ ▥
      ⊗ ⫟ ▦ ▦
CategList:TYPE
Data List:NMBR
Number Percent
```

14. Press – to display the circle graph. Sketch the graph at the right.

15. Press , and explore the graph. What is easier to see with this type of graph?

   _____

   _____

   _____

16. Summarize the different types of graphs used in this activity. Explain what type of data you would display with the different graphs. _____

   _____

   _____

   _____