

Name: _____

Lab Partner's Name: _____

Date: _____

Class Period _____

Penny Lab

Objective: To determine how much water a penny will hold. To determine if one side of a penny will hold more water than the other.

Hypothesis: I think that a penny will hold _____ drops of water.

I think that:

- a. the heads side will hold more water
- b. the tails side will hold more water
- c. both sides hold equal amounts

Materials:

| | |
|---------------|-----------------|
| Penny | Water |
| Water Dropper | Colored Pencils |
| Plastic Cup | Ruler |
| Paper towel | Calculator |

Procedure:

Begin with the heads side of the penny. Place as many drops of water on the penny as it will hold before it spills over onto the table. Hold the dropper a little above the penny, and do NOT touch the dropper to the water. After the water has spilled over onto the table, record the number of drops that penny hold. Do not include the last drop that spilled over. Dry off the penny and record the number in the table. Repeat procedure again four more times with the head of the penny, and then complete the same procedure five times with the tails side.

Data:

| | Heads | Tails |
|---------|-------|-------|
| 1 | | |
| 2 | | |
| 3 | | |
| 4 | | |
| 5 | | |
| Total | | |
| Average | | |

Conclusion:

Write a conclusion at least three sentences long. You must include if your hypothesis were correct.

Graph:

On Graph paper create a line graph. Heads should be represented by one colored line. Tails should be a different colored line. Make sure the graph and both axis have a label. Also, create a scale for both lines.

