Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Date: \_\_\_\_\_\_\_\_\_\_\_\_\_Section: \_\_\_\_

**Drops on a Penny Activity**

**Problem:** How many drops of water will fit on a penny?

**Hypothesis:** I think that the penny will hold \_\_\_\_\_ drops of water.

**Materials:**

* Penny
* Water
* Dropper
* Paper towel

**Procedure:**

1. Set a penny on a paper towel.
2. Fill a dropper with water and carefully place a drop of water in the center of the penny.
3. Counting drops, carefully add more drops until the water spills off the penny
4. Record results in the data table.

**Data:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **Trial 1** | **Trial 2** | **Trial 3** | **Average** |
| **Drops of water** |  |  |  |  |

**Discussion:**

1. How many drops were you able to place on the penny and how does it compare with your prediction?
2. How do you results compare with other students results?
3. What are some reasons why you may have different results than another student?
4. Why do you think we performed three trials?
5. Why do you think you were able to fit so many drops of water onto the penny before it spilled off?