Station # 4: Graphing

Directions: Use the data table to graph Mrs. Lopez's results.

Penny Lab

Mrs. Lopez was teaching her biology class about cohesion and adhesion, two special properties of water that involve water sticking to itself and water sticking to other objects. She asked the class how many drops of water could they get to stay on top of a penny? She began dropping drops of water on the penny using a pipette and counted how many drops stayed on the penny. She continued dropping water on the penny until it overflowed onto the paper towel. She did this five times. The students wondered if this worked with other liquids. Mrs. Lopez said let's test it. She had one group drop water on the penny. The other group used water with rubbing alcohol. The final group used water with dish soap. See the chart below for the results.

Data Table

Type of Solution	Trial #	Number of Drops
Water	1	25
	2	30
	3	35
	4	27
	5	28
Water with rubbing alcohol	Trial #	Number of Drops
	1	10
	2	12
	3	15
	4	18
	5	5
Water with dish soap	Trial #	Number of Drops
	1	9
	2	10
	3	5
	4	16
	5	7