![C:\Users\Megan\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\C00O2OSK\MC900140395[1].wmf]()Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Holding Power Activity**

* Make your prediction.
* Hang the hook on a one-unit magnet as shown on the board.
* Gently, add paper clips to the hook until the hook falls off.
* Count the number of paper clips that were on the hook.
	+ Then SUBTRACT 1. (You want to find the number of paper clips that the magnet will hold—not the number that it won’t hold.)
* Record your results.
* Average your 3 trials. (Trial 1 + Trial 2 + Trial 3 = \_\_\_\_\_\_, then divide by three.

**One Unit Magnet #1** Trial 1 Trial 2 Trial 3 **AVERAGE**

Prediction

Actual number of clips held

 Ave. #1

***NOW, test your OTHER one-unit magnet the same way.***

**One Unit Magnet #2** Trial 1 Trial 2 Trial 3 **AVERAGE**

Prediction

Actual number of clips held

 Ave. #2

* Now add your two averages together. Ave. #1 + Ave. #2 =

Total # of paper clips on 2 one unit magnets

* Next put the two magnets together to make a two unit magnet and do three trials.

**Two Unit Magnet** Trial 1 Trial 2 Trial 3 **AVERAGE**

Prediction

Actual number of clips held

Which holds more paper clips, two separate magnets or one two unit magnet?