**Excel Spreadsheets: Planetary Weight Calculator**

***Problem:***

We are astronauts traveling through space. The mission…to visit the planets of our solar system. The objective…to discover how much we weigh on these worlds. The reason…the survival of the Earth depends on it. Why? I said so.

## *How to find out your weight on a different planet*

In order to find your weight on a different planet you must multiply your weight on Earth by the change in gravitational force (G-Force) on the different planet. For example, to find your weight on Mercury you would:

175lbs \* .378 (Mercury’s G-Force) = 66.15 lbs.

Since each planet has a different gravitational force we would have to do this calculation nine times, once for each planet. However, since this isn’t math class, we are going to use Excel to help us out with the calculations.

## *How to set up your planetary calculator*

Let’s first set up our planet weight calculator.

Follow these Steps:

* In cell A1 type **My Weight on Different Planets**.
* In cell F1 type **your name** and **classroom number**.
* In cell C3 type **Planets**.
* In cell D3 type **Lbs**.
* In cell C4 type **Mercury**.
* In cell C5 type **Venus**.
* In cell C6 type **Earth**.
* In cell C7 type **Mars**.
* In cell C8 type **Jupiter**.
* In cell C9 type **Saturn**.
* In cell C10 type **Uranus**.
* In cell C11 type **Neptune**.
* In cell C12 type **Pluto**.
* In cell D6 type **your weight** on Earth.
* Be sure to begin each formula with the equal sign. Follow this chart to enter your calculations:
* In Cell: Enter Formula:
* D4 (Mercury) =D6\*.378
* D5 (Venus) =D6\*.907
* D7 (Mars) =D6\*.377
* D8 (Jupiter) =D6\*2.364
* D9 (Saturn) =D6\*.916
* D10 (Uranus)=D6\*.889
* D11 (Neptune)=D6\*1.125
* D12 (Pluto) =D6\*.067
* Be sure to press return after entering each formula.

## *Ready to make a graph*

Once all of the calculations have been filled into the proper cells you are ready to make a graph.

https://suite101.com/a/microsoft-excel-lesson-for-3rd-6th-grades-a355040