**P.O.W. Week of October 28**

**Due November 1

*Palindrome Days***Next year the 11th of January is on Friday. When I was planning for the month I noticed something interesting about that date. Tuesday is the first “Palindrome Days” of this year! What does that mean? Well, you have to know how to write a date to understand it. Friday is 1/11 of 2020.. The first month-- “1” and the 11th day “11”. Because these numbers are all the same, they are a palindrome--they can be written forwards or backwards with no change. (Notice I am not including the year as part of this problem.)

Your challenge is to examine the occurrence of Palindrome Days:

1.How many Palindrome Days are there in a year?
2.Which month has the *most* Palindrome Days?
3.Which month has the *fewest* Palindrome Days?

**Bonus:** In many countries the standard for writing a date in numerals is to put the day before the month, so March 23 would be written as 233, and would not be a palindrome. In this system, how many **Palindrome Days** would there be in a year?

All submissions must include a CLEAR articulation of your thinking. This is the piece that many of you are skipping! Be sure to include it.