Soviet Tank Availability Program 2.0
by Mobius 8/5/2013

Usage-Tank Selection
Select tank type by clicking on vehicle name.   Only one type is show at a time.
Select 'Graph' to turn the page to the selection graph.
Production of two tanks can be compared to each other by selecting one and then another.

Select Tank Production Time Span
Drop boxes for starting and ending dates of production of selected tank and all tanks. Click on tank on box to the left.

Graph
The left axis is the number of tanks.
Bottom axis is in months. The war started June 1941 and is labeled as '6' (#6) along this axis (first entry along the bottom of the graph). December 1941 is labeled #12.
1942 is #13 to #24. 1943 is #25 to #36. 1944 is #37 to #48. 1945 begins at #49.

The heavy black line is total of all tanks in service.
The red line is the raw production of selected tanks along with previous production less a percent loss. The losses are pro-rated by percent of the total tanks that are lost during the month.
The gray line is the raw total number of tanks lost during the month. Tanks produced in the month are not lost in the same month.   (Though in reality they might be.)
The dash line is total of tanks produced added to Lend Lease tanks.
The cyanic line is the number of tanks produced.

Note - Selecting Zaloga Production data uses numbers acquired from his book's graph and doesn't match that we get when we add the data from the TankData file. Selecting Data driven data tallies all individual tank production data from TankData file.

The Percentage totals line is the orange line. Unlike the other graphs it uses the 10,000 level as it's zero base line. If the line is at 10,000 this means the percentage of this tank in service is 0%. Each 1,000 above the 10,000 line is 10%.   Thus the 15,000 line would mean 50% of all available tanks are the selected type.

Editing data.
The user may find that they will want to modify some data. Use any text editor and change the data on the TankData file. Separate each data entry by commas and end the line with a comma. The data line consists of a single year of production. Starting with the key, which is the tank name or type. Next entry is the year and only one year per line. Next entries are the 12 monthly production numbers for that year. There must be 12 data entries even if most are zero. If there is no production in the year the line may be left out. It is also possible to enter negative numbers if it is found that a certain number of tanks in the month were withdrawn from service.

The TotalData file probably won't need to be modified.

Comments in the data needs a ';' in the first character of the line.