Physical Science   Name: _____ Block: __
Graphing Review Worksheet

1. Previous inhabitants of Treasure Island apparently used conch shells as a measure of mass.
    Inscriptions on various polished rocks give their mass in "cshells". Measuring their mass on
    your handy-dandy gram/kilogram balance give you the following data:

Rock	Cshells	Mass
Red	40	860 g
Blue	212	4.56 kg
Brown	12	258 g
Gold	100	2.15 kg
Ochre	420	9.03 kg

   a. Plot a graph with Cshells on the horizontal axis and kg on the vertical axis. Make
       sure your axes are clearly labeled, and draw a trend line through your data points.
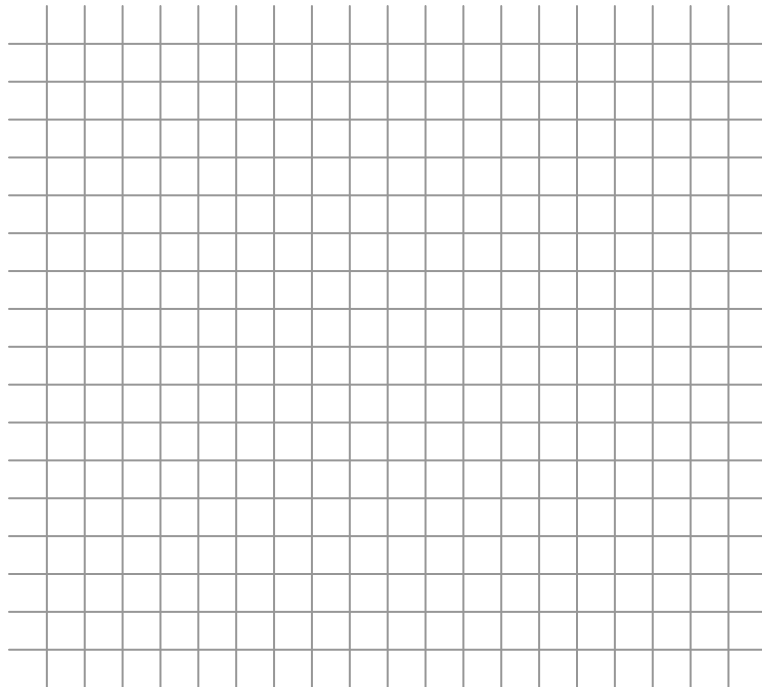
   b. Using your graph, about how many Cshells does it take to make a kilogram?

   c. How many grams is the same as a standard Cshell?

   d. We just found a green rock labeled "150 Cshells". Use your graph to estimate its
       mass in kg.

   e. If your mass is 40kg, what is your mass in Cshells?

2. The table below shows data from a survey of WHS students that compared their Grade Point Average (weighted) to the number of hours they studied each week.

GPA	Study hours per week
3.9	12.4
4.9	15.4
3.3	9.4
4	11.6
4.7	14.8
5.7	18.0
5.7	16.8
2.9	11.6
4.4	11.8

a. Make a graph showing this data, including a trendline.
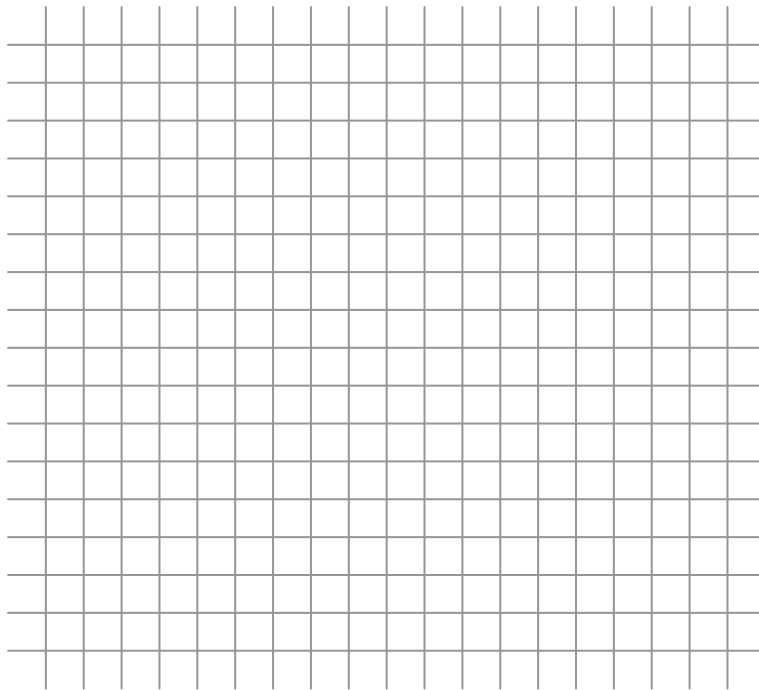
b. Using your trendline, about how many hours per week would you estimate you would need to spend studying to earn a 6.0 GPA?