Activity 0.2

Review of Bases

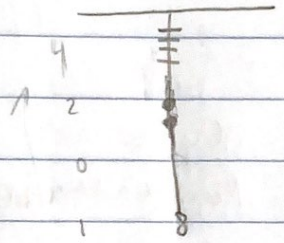
1.) $1024 = 1\times10^3 + 0\times10^2 + 2\times10^1 + 4\times10^0$

$2048 = 2\times10^3 + 0\times10^2 + 4\times10^1 + 8\times10^0$

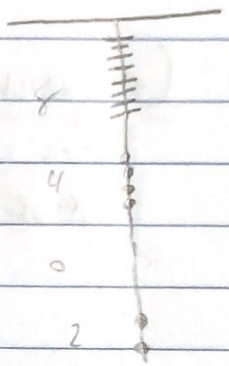
$42 = 4\times10^1 + 2\times10^0$

$65,536 = 6\times10^4 + 5\times10^3 + 5\times10^2 + 5\times10^1 + 6\times10^0$

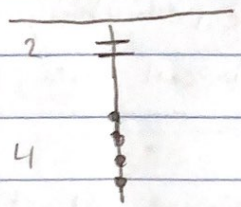
2.) 1024



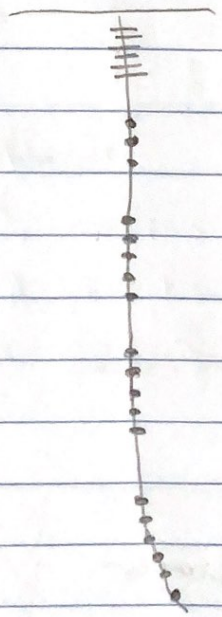
2048



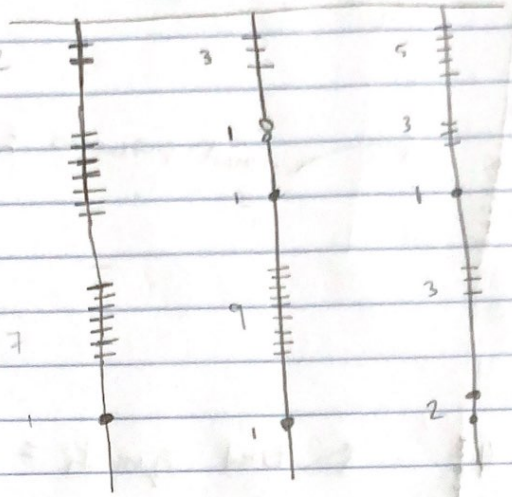
42



65,536

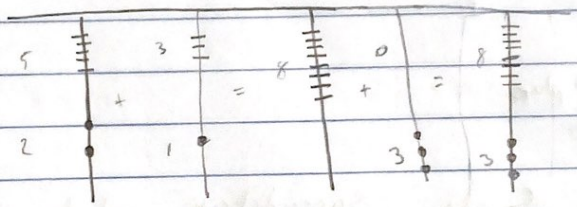


3.)

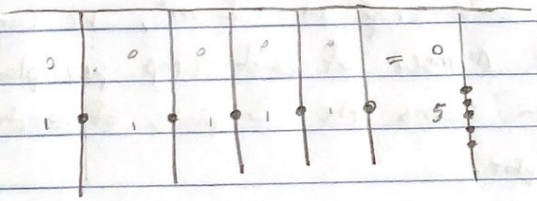


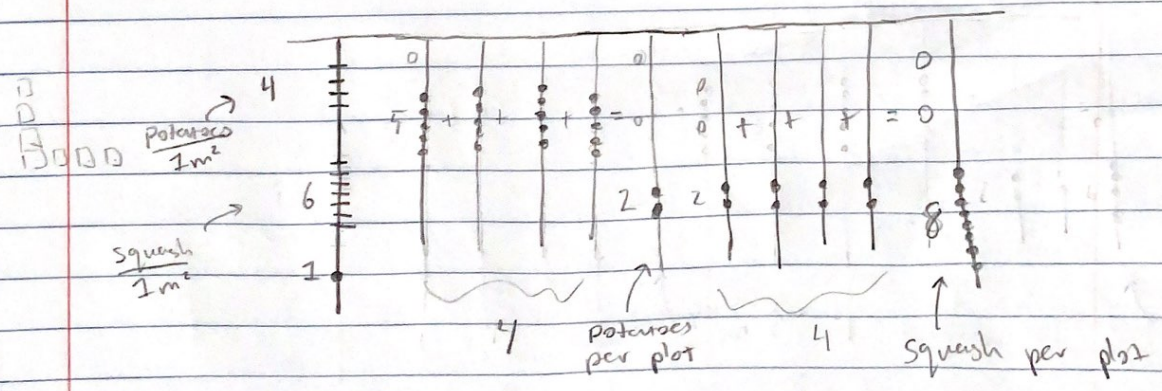
Accounting Problems

1.)



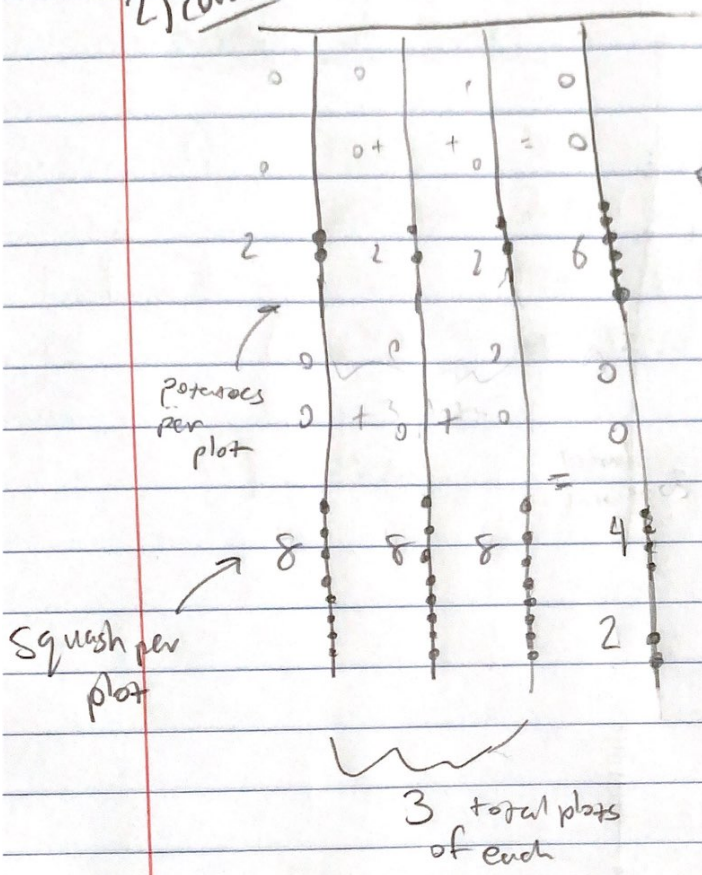
2.)





* Since a squash requires $\frac{1}{4}$ the space, intuitively there will by 4x as many (or memorizing $4 \times 4 = 16$)

2) cont.



The first section of the spreadsheet includes the area calculation of one plot in m^2. Then using the number of each crop in 1 m^2, we can additively find the total number of each crop per plot. Finally, the last section sums the 3 plots of each crop and their crop / plot.