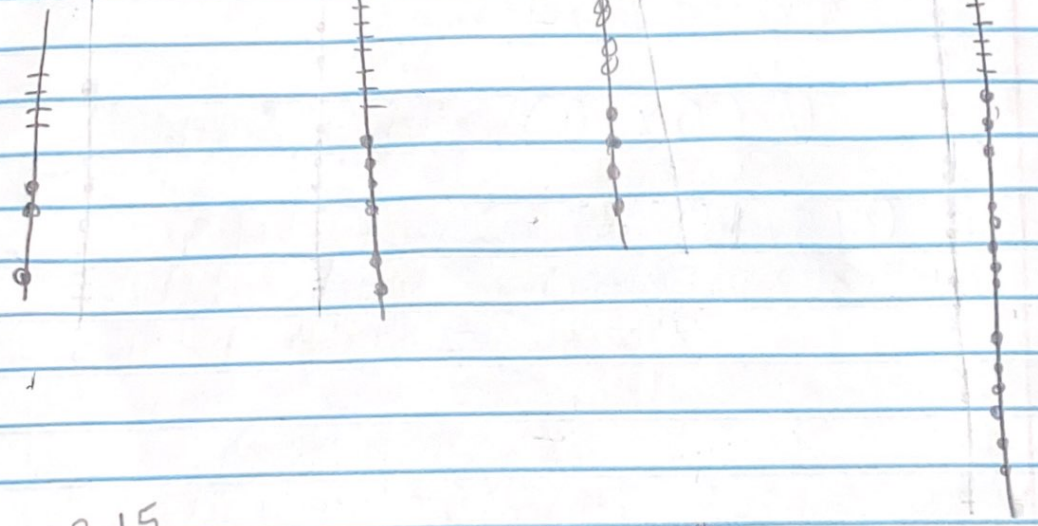
Asynchronous Activity 2

1. Review of Bases

- $1024 = 1 \times 10^3 + 0 \times 10^2 + 2 \times 10^1 + 4 \times 10^0$
- $2048 = 2 \times 10^3 + 0 + 10^2 + 4 \times 10^1 + 8 \times 10^0$
- $42 = 4 \times 10^1 + 2 \times 10^0$
- $65,536 = 6 \times 10^4 + 5 \times 10^3 + 5 \times 10^2 + 3 \times 10^1 + 6 \times 10^0$

2. 1024 2048 42 65,536

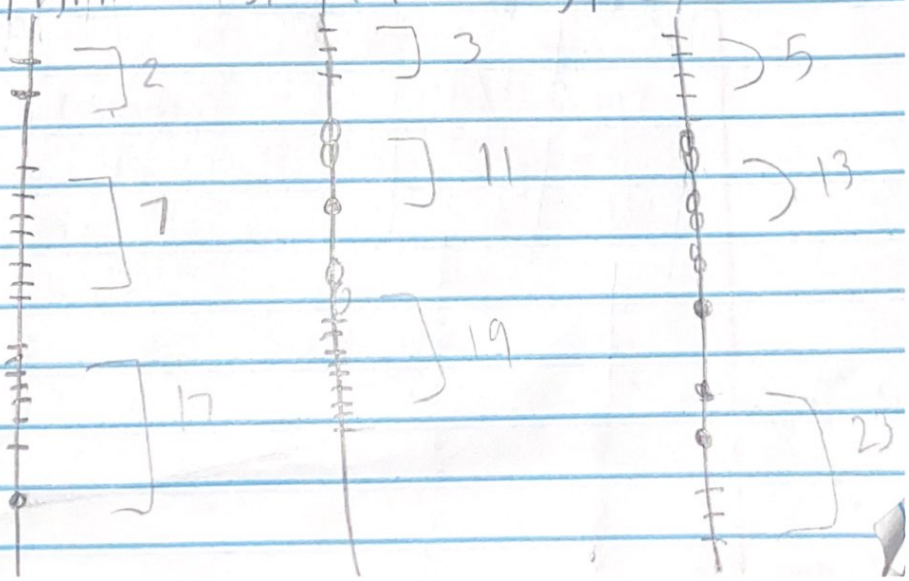


3.

2	3	5
7	11	13
17	19	23

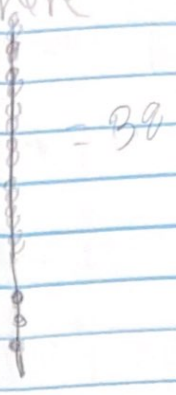
2×10^0

2, 7, 17 3, 11, 19 5, 13, 23



3. 1. adding 13 guanaco +25 already there
=38

38 = $3 \times 10^1 + 8 \times 10^0$



2. 6 plots of flat land
→ 5x10 meters
→ 3 high & 3 low altitudes
potato = 1/2 a meter
squash = 1/4 meter

6 (5x10) meters of land

6(5x10) = 1/2 p + 1/4 s
30x60 meters of land total
30x60 = 1/2 p + 1/4 s
1800 = 1/2p
= 90 potatoes
= 450 squash

1800	1800
1/2	1/4
90	450

← 1800 total meters divided by the 1/2 & 1/4 meters for each potato and squash will give you the 90 & 450 as total amounts that can be planted.

potatoes 90

squash 450