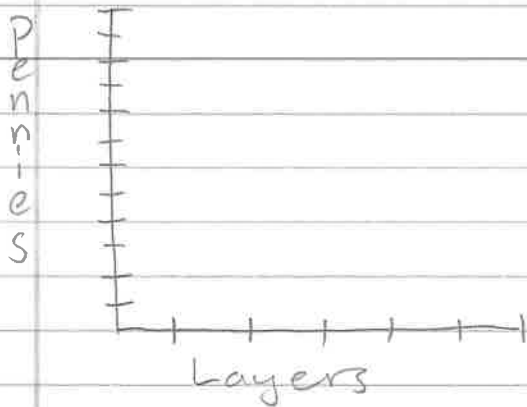


1.1 A-E

| | | | | | | |
|-----------|---|---|---|---|---|---|
| A) Layers | 1 | 2 | 3 | 4 | 5 | 6 |
| Pennies | | | | | | |



B) The relationship is _____
This is shown in the table by....
This is shown in the graph by....

C) 2.5 layers would have _____ pennies because...

D) 6 layers would have _____ pennies because...

E) 6 layers actually had _____ pennies. This is the same as my prediction because...

$$y = mx + b$$

Ms. Bietschek

Period #

$Y = \text{Slope} \cdot X + \text{Start value}$

$$Y = m \cdot x + b$$

$$Y = \frac{\text{rise}}{\text{run}} \cdot X + \text{line crosses } Y\text{-axis}$$

| Length Pennies | 11 | 9 | 8 | 6 | 4 |
|-------------------|----|---|---|---|---|
| | | | | | |

1.2 a-d

a)
Pennies



Length of Bridge

B) As bridge length decreases, the number of pennies it can hold goes

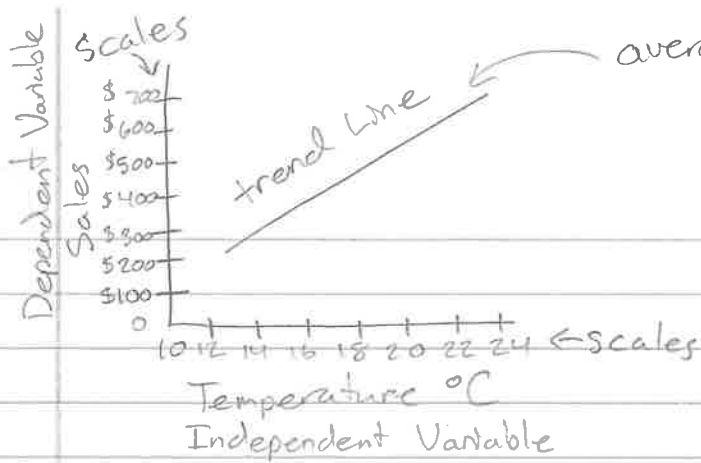
It is shown in the table by...

It is shown in the graph by...

C) 3" =
12" =

5" = 10" =
I made these predictions because...

D) 1.2 is similar to 1.1 by....



Ms. Bietschek
Period #

3
A-D

| | | | | | | | |
|-----------|---|----|----|----|----|----|----|
| A) Length | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| # of Rods | 7 | 11 | 15 | 19 | 23 | 27 | 31 |



2) as the length increases, the number of rods....

3) the pattern is shown in the table by the numbers _____

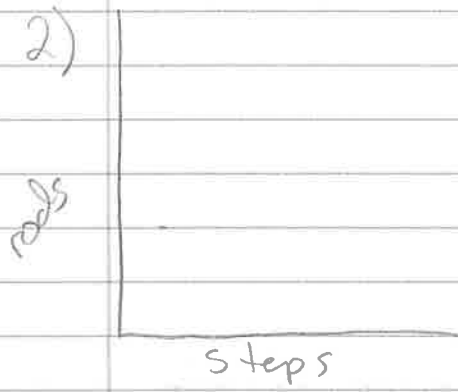
The pattern is shown in the graph by the _____ shape of the line.

4) The arc _____ rods in a 50 foot tress. I found this by...

5) The 3L represents the rods used to

The L-1 represents the rods used to

B) # of steps
of rods



3) as the number of steps increases, the number of rods needed....

4) The pattern is shown in the table...

The pattern is shown in the graph...

5) In 12 steps they will need _____ rods to create it. I found this by...

C) Question A is similar to Question B....

Question A is different than Question B...

D) Problems 1.1 and 1.2 used ...