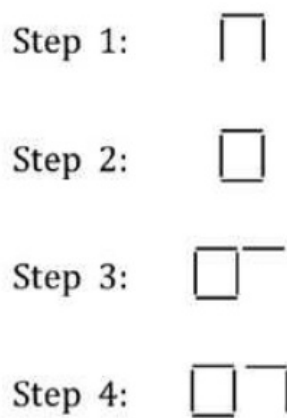
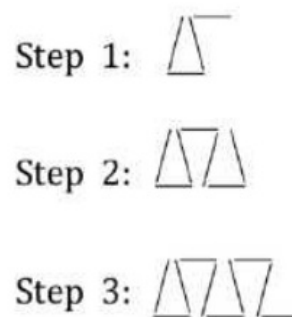


Pictures for assignment

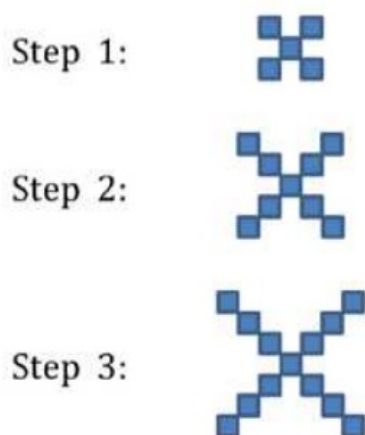
Design A



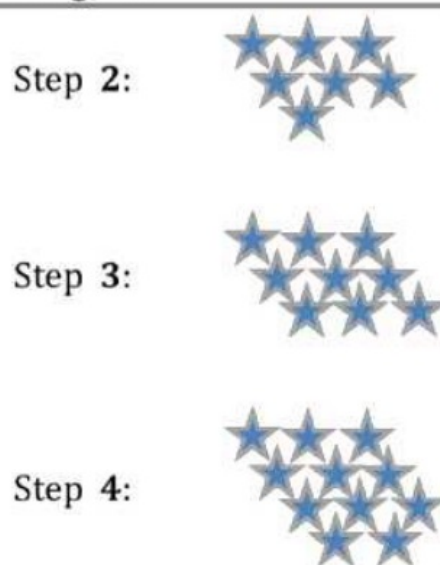
Design B



Design C



Design D



Name: _____

Period: _____ Date: _____

Design A

Step 5



Step 6



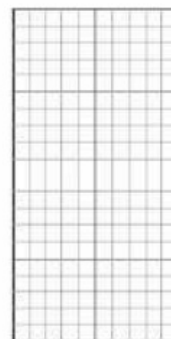
Step	0	1	2	3	4	...	10	x
Number of units								

How is the pattern changing? _____

How many piece(s) were there in the beginning (step 0)? _____

Write an equation ($y = mx + b$) to represent the pattern _____

Draw a graph of the pattern



How many pieces would you need to construct the 10th step? _____

Design B

Step 4



Step 5



Step	0	1	2	3	4	...	10	x
Number of units								

How is the pattern changing? _____

How many piece(s) were there in the beginning (step 0)? _____

Write an equation ($y = mx + b$) to represent the pattern _____

Draw a graph of the pattern



How many pieces would you need to construct the 10th step? _____

Design C

Step 4



Step 5



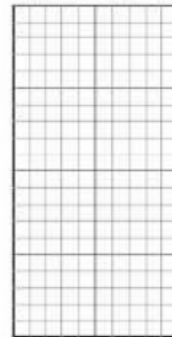
Step	0	1	2	3	4	...	10	x
Number of units								

How is the pattern changing? _____

How many piece(s) were there in the beginning (step 0)? _____

Write an equation ($y = mx + b$) to represent the pattern _____

Draw a graph of the pattern



How many pieces would you need to construct the 10th step? _____

Design D

Notice **Design D** asks you to draw Steps 1 and 5

Step 1



Step 5



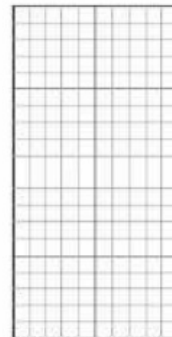
Step	0	1	2	3	4	...	10	x
Number of units			7					

How is the pattern changing? _____

How many piece(s) were there in the beginning (step 0)? _____

Write an equation ($y = mx + b$) to represent the pattern _____

Draw a graph of the pattern



How many pieces would you need to construct the 10th step? _____

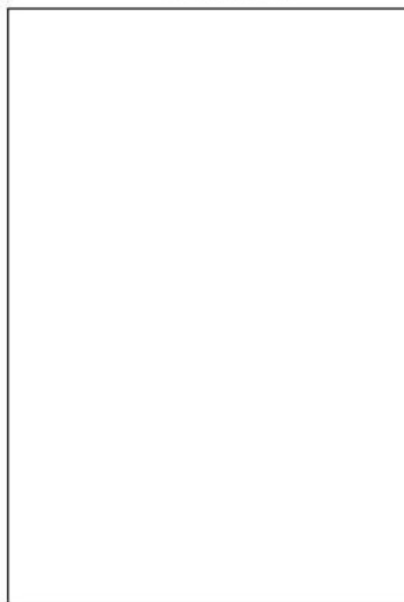
Design E Create your own pattern.

Design E

Step 1

Step 2

Step 3



Answer Key for your problem

Step 4



Step 5



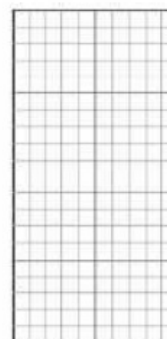
Step	0	1	2	3	4	...	10	x
Number of units								

How is the pattern changing? _____

How many piece(s) were there in the beginning (step 0)? _____

Write an equation ($y = mx + b$) to represent the pattern _____

Draw a graph of the pattern



How many pieces would you need to construct the 10th step? _____