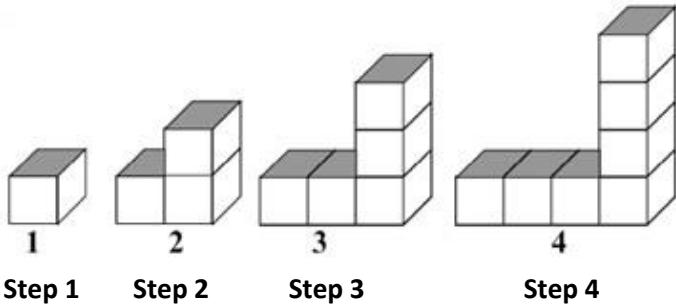


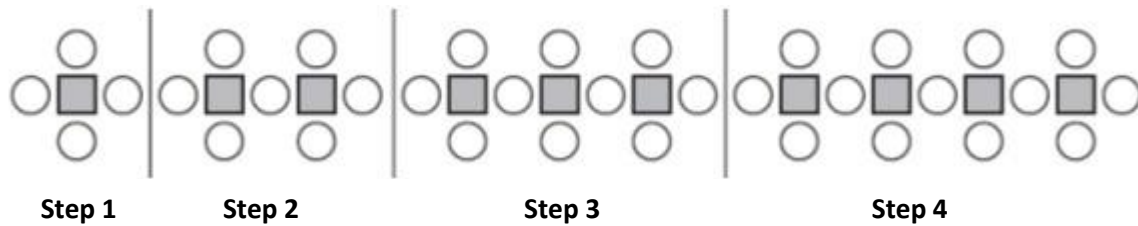
Visual Patterns Worksheet

1)



- Draw the next step. How many blocks are there?
- Make a “quick” sketch that shows what step 40 would look like. Then calculate how many blocks would be in step 40.
- Write an expression that gives the number of blocks in step “n”.

2)

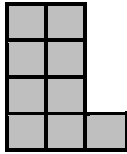


- Draw the next step. How many circles (don't count the squares) are there?
- Make a “quick” sketch that shows what step 40 would look like. Then calculate how many circles would be in step 40.
- Write an expression that gives the number of circles in step “n”.

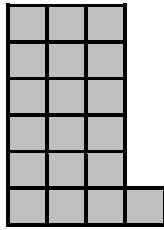
3)



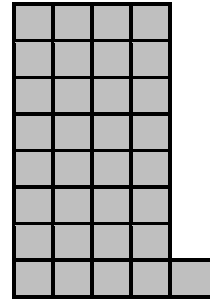
Step 1



Step 2



Step 3



Step 4

- Draw the next step. How many squares are there?
- Make a “quick” sketch that shows what step 40 would look like. Then calculate how many squares would be in step 40.
- Write an expression that gives the number of squares in step “n”.

4) (Bonus – optional) For any of the patterns #1-3, find a different way to show it. Make a “quick” sketch of step 4 using this alternate method and create a new expression matching it.