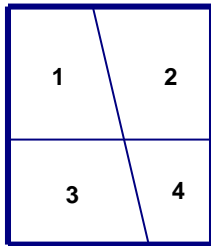**Consider the square below. You are to draw five lines (remember that lines are straight and don't bend) across the square in such a way as to form as many regions as you can. What is the largest number of regions that can be formed?**

 For example: If you can only draw two lines, the largest number of regions formed would be 4 while if you draw 3 lines, you will get 7 regions as shown in the pictures below.

2 lines gives 4 regions

3 lines gives 7 regions

1	2
3	4

1
4
2
3
5
6
7