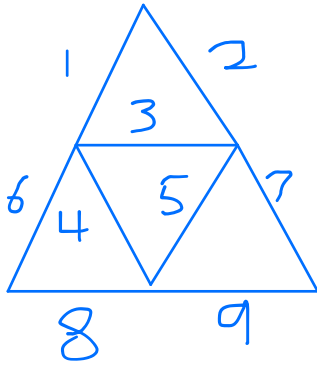
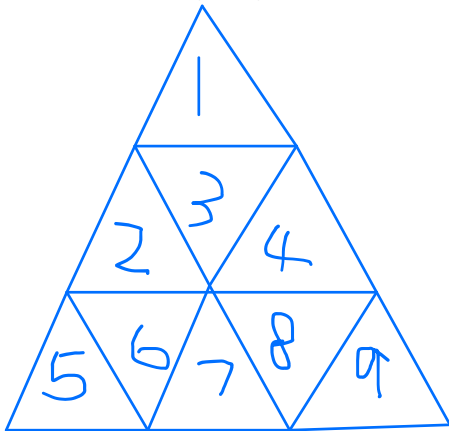


NRICH maths -Sticky Triangles Freddy

Q.1 How many lolly sticks have I used altogether now? Answer:9



Q.2. I decided to add another 'row' of small triangles.
 Can you picture in your head what this will look like? How many small triangles will there be?
 Answer:9 How many lolly sticks did I use? Answer:3+3+3+3=12



Q.3

What patterns did you find:

1. Number of small triangles in each row: 1,3,5,7,9,11,13,15,17
2. Pattern: $n \times 3 + \text{previous number}$
3. If it is the first layer you have you have one triangle which is 1 times three and for the second row, we times 2 by 3 because the first triangle has already covered up the the top of the triangle below.

