Lauren McMeekin and Sona Singru 16.3.2012

Co-ordinates

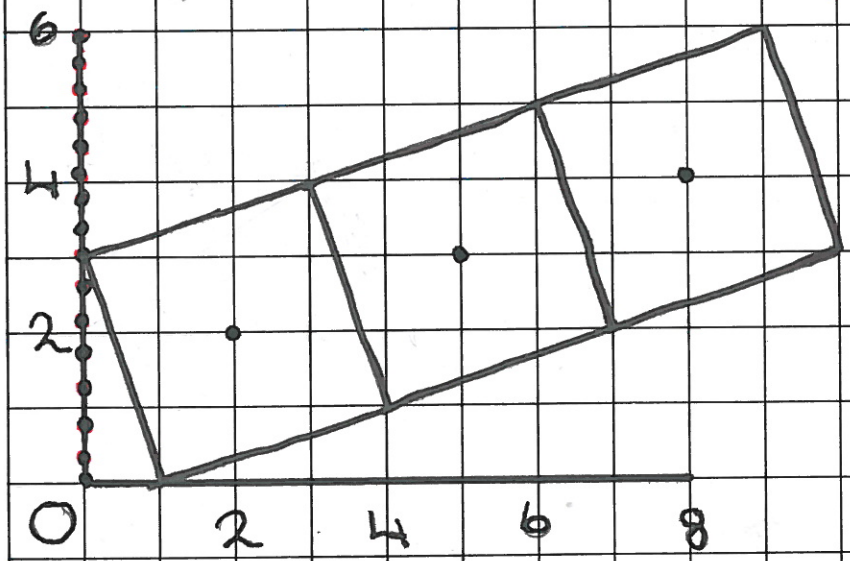
The co-ordinates of square number 3 will be (8, 4) because the rule to this problem is:

Each time, add one to the previous number to get the new Y-axis, and add three to the previous number to get the new X-axis.

If our prediction is right, we will get (59, 21) for the 20th square.

If the squares were extended to the left our strategy would still work as it is the same concept, except the opposite mathematical sign.

(eg 2+2 to 2-2)



If you line up a mirror on the edge of the dotted line, you will find that it extends to the left. The coordinates are the same but in a negative form. This shows that our strategy is correct.