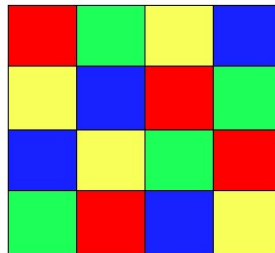


The picture below shows a 4 by 4 Latin square.

If you haven't come across Latin Squares before, have a look and see if you can spot what is special about it.



*In a Latin Square each symbol or colour occurs exactly once in each row and exactly once in each column.*

**In the grid below, N is a 6 digit number with a special property:**  
 if you double the number and write it in the second row,  
 treble the number and write it in the third row,  
 and so on...  
 you end up with a Latin Square!

<b>N:</b>						
<b>2N:</b>						
<b>3N:</b>						
<b>4N:</b>						
<b>5N:</b>						
<b>6N:</b>						

**Can you find the six digit number N?**