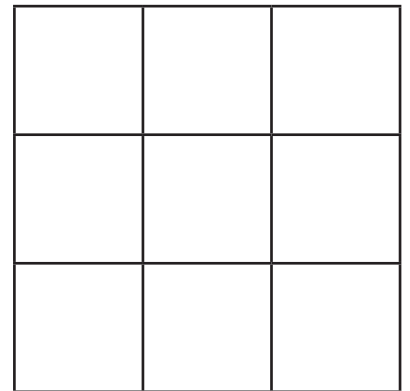
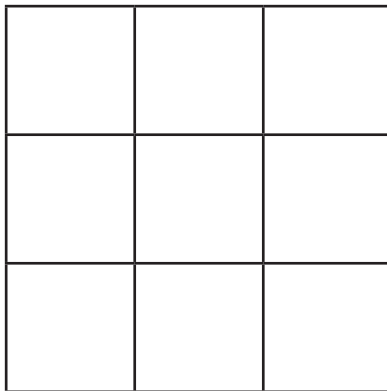
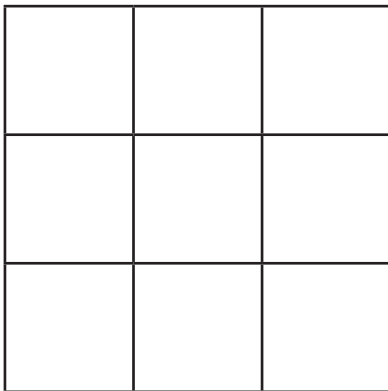
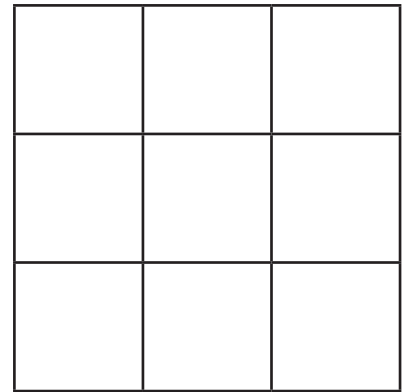
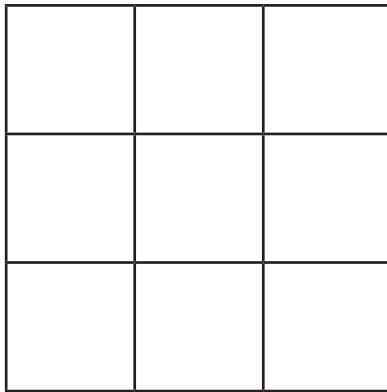
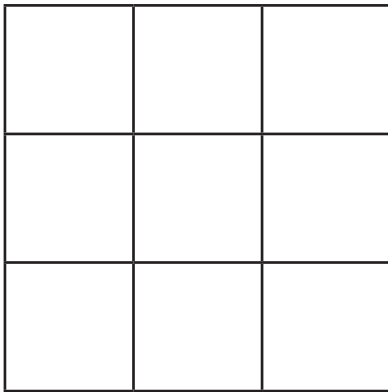
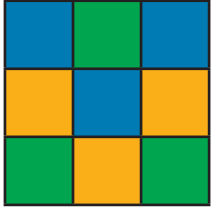


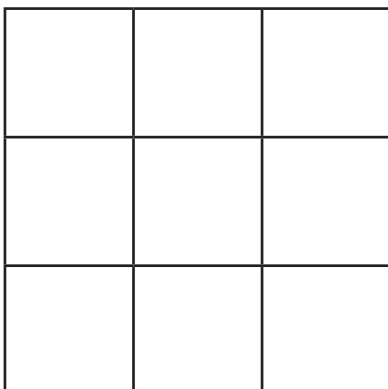
Coloured Square Investigation

Here are nine coloured squares: 

Can you arrange these small squares into one large square so that no small square of the same colour are next to each other? Here is an example:



Challenge: Can you complete a square where there is only one coloured small square in each row and column?



Coloured Square Investigation

Cut out the coloured squares below to arrange on your square investigations:



Coloured Square Maths Investigation

Answers

There are many answers to the first part of the investigation.

Challenge: There is only one answer to the challenge, although the colours may vary. One colour is diagonal, and the others of the same colour are adjacent to the diagonal colour on the other side. This is repeated for the final colour.

For example:

