

## Investigation Guide – Coloured Squares Task 112

Complete this after initial task card.

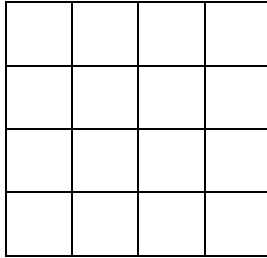
Investigation (In pairs)

What happens if we give each coloured tile a number value, can we make magic squares if we do?

Your task

Using the following values make a magic square?

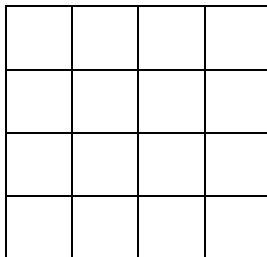
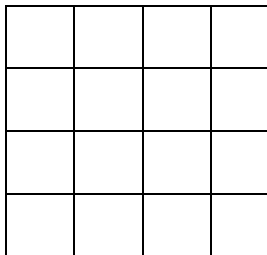
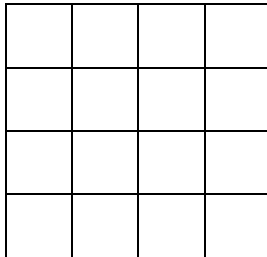
Blue – 1, Red – 2, Yellow – 3, Green – 4



Can you make it in any other way?

How many different ways can you make a magic square using these values?

Give each colour a value and make your own magic squares– record some of the things you notice.



Give each tile a value and place the tiles in a bag. Take turns pulling out a tile and using one magic square each see who can complete it first.

Challenge

Could you use fraction values and still complete magic squares? Investigate.