

You Need

- Sixteen [16] coloured tiles - 4 each in 4 colours - and playing board
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Your Task

1. Arrange the tiles on the board so that when you look in:
 - each row
 - each column
 - each long diagonalyou *cannot* see two colours the same.
 2. Record your solution on square graph paper. Just put a small circle of colour in each square with your felt markers or coloured pencils.
 3. Find a different solution and record it.
 4. Compare your two solutions. Are they really different?
They are the same if:
 - You can turn one around to make it look like the other.
 - You can put them side by side (any side) and make a reflection.
 5. There are several different solutions. Find as many as you can.
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Challenge

How many solutions are there?

How do you know when you have found them all?