COLOURED SQUARES & MAGIC SQUARES

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1	2	3	4
5	6	7	8
9	10	11	12
13	14	15	16

Red: 1,   8,   10, 15
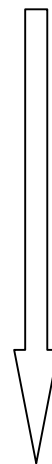
Green: 2,   7,   9,   16

Blue: 3,   6,   12, 13

Yellow: 4,   5,   11, 14

- The sum of each set of numbers is 34.

- Each set has two even and two odd numbers.

- The even numbers in each set total 18 and the odd numbers total 16.

- If you leave the diagonal numbers where they are and swap the smallest and largest remaining numbers (2 and 15) then the next smallest and largest (3 and 14) and so on, you will have found a solution for a 4 x 4 magic square.

- Each of the colours is now in pairs side by side.

- The numbers of those pairs are the odds and evens in each of the original sets of numbers.

- The arrangement to the left is the result of the above movements

1	15	14	4
12	6	7	9
8	10	11	5
13	3	2	16