Read 100 intructions…

On the template is a grid of four "boxes": Square divided into four.

You must choose four different digits from 1−9 and put one in each box.

For example: Square divide into four, with 5,2,1 & 9 in the sections. This gives four two-digit numbers:

 52 (reading along the 1st row)

 19 (reading along the 2nd row)

51 (reading down the left hand column)

 29 (reading down the right hand column)

In this case their sum is 151.

 Your task is to explore with 4 digits of your own. Is there a quick way to tell if the total is going to be even or odd? Can you spot any patterns?

Challenge task: If you want to stretch yourself your challenge is to find four different digits that give four two-digit numbers which add to a total of 100. How many ways can you find of doing it?