

Friday Maths Challenge – Reach 100

Here is a grid of four "boxes":

You must choose four **different** digits from 1 – 9 and put one in each box. For example:

5	2
1	9

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.

Try a few examples of your own.

Is there a quick way to tell if the total is going to be even or odd?

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?

Hint ...

Imagine arranging your four two-digit numbers in columns to do the addition sum, like this:

5 2
1 9
5 1
2 9

If the total has to be 100, think about how the four digits you choose could add to make the 0 in the units column, then look at the tens column.