

## 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 1<sup>st</sup> row)

19 (reading along the 2<sup>nd</sup> 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?

|  |  |
|--|--|
|  |  |
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