One, two and three

Jack has three **1** cards, three **2** cards and three **3** cards

- How could he arrange them on a 3 x 3 grid?
- Could he make each row have the same total?
- Could he make every row and column have the same total?
- What else could he do?

1	1	1
2	2	2
3	3	3

Learning and Teaching Objectives

- Use drawings or annotations to help visualise the problem
- Solve mathematical puzzles
- Suggest extensions by asking 'what if … ', or 'what could I try next?'

One, two and three Solution

1	2	3
2	3	1
3	1	2

Can make every row and column except one have 1,2,3 in it

Try with 3 other numbers either consecutive or linked by another rule (even numbers, multiples of 10)