

Mathematics

**Reasoning with large whole numbers:
Using and explaining addition strategies**

Ms Jeremy



Partitioning

One of the addition strategies that we can use is: **partitioning.**

$$52 + 31 =$$

$$71 + 14$$



Useful if no regrouping is required!



Commutativity

When adding (or multiplying) it is useful to remember the law of commutativity.

$$17 + 41 + 3 =$$

$$32 + 16 + 18 =$$



Useful if there are number bonds!

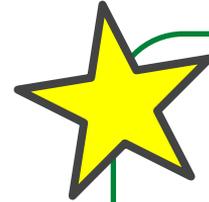


Round and Adjust

If a number is close to another 'easier' number to add, use round and adjust.

$$49 + 13 =$$

$$61 + 23 =$$



Useful to avoid the need for regrouping!





Pause the video to complete your task



Resume once you're finished

Choose strategies to solve:

a) $72 + 15 =$

b) $18 + 23 + 42 =$

c) $34 + 22 =$

Partitioning

Commutativity

**Round and
Adjust**





Pause the video to complete your task



Resume once you're finished

7	4	9	
	11		16
	6		
12	13	8	1

Partitioning
Commutativity
Round and Adjust



Pause the video to complete your task

Resume once you're finished

Independent Task

		24	19
	23	17	
25	12		
	21	11	

	20		14
15	22	21	
		16	
24			19

The sum of each column, row and diagonal is **70**.