

Supporting Activities

Add More than 4 Digits



Roll to Add: An activity for a group to use in class or intervention to help children's understanding of adding numbers with more than 4 digits.

Resources: You will need a 6-sided dice, counters, place value grids, whiteboards and whiteboard pens.

Activity: In pairs, each roll a dice 5 times to get two 5-digit numbers. Ask each child to make their number using counters on a place value grid. Children to work together to add their numbers, looking for any column that have 10 or more counters. Alongside their place value grids, they need to write the calculation using the formal method to see the link between them.

Example:

Child 1: Rolls the dice to get the numbers 4,3,2, 1 and 6. Creates the number 23,461 using counters on a place value grid.

Child 2: Rolls the dice to get the numbers 5,3,4,4 and 1. Creates the number 44,153 using counters on a place value grid.

Both: Together they add the numbers, starting with the ones column. They notice that exchanges are needed in the tens column. They write the calculation and answer on their whiteboards to match the calculation they have completed.

TTh	Th	H	T	O
●●	●●●	●●	●●●	●

TTh	Th	H	T	O
●●	●●	●	●●●	●●●

	2	3	4	6	1
+	4	4	1	5	3
	6	7	6	1	4
			1		