

Partitioning numbers lesson plan

DAY	We Are Learning To (WALT):	MODEL / INTRODUCTION	INDEPENDENT WORK	PLENARY
	Mental: Main: Partition numbers	Mental: Main: Go through PowerPoint covering the following: - Explaining how there are 10 digits: 0, 1, 2, 3, 4, 5, 6, 7, 8 and 9 and that these digits are used to make all other numbers - Examples of 2-digit, 3-digit and 4-digit numbers At this point G+T children to go and attempt higher ability work (partitioning 4-digit numbers) - Explaining what place value means and how the place of a digit gives it its value - How to partition 2-digit numbers in to their tens and units, with visual representations of the tens and units - How to partition 3-digit numbers in to their hundreds, tens and units, with visual representations of the hundreds, tens and units - How to partition 4-digit numbers in to their thousands, hundreds, tens and units At this point G+T children who partitioned 4-digit numbers successfully to come to the carpet - Explaining how a unit can be split in to tenths, with a visual representation - Explaining how a unit can be split in to hundredths, with a visual representation - An explanation and visual representation of how a unit, tenth, hundredth and thousandth relate to each other - Explaining how zeros after the final digit in numbers with a decimal place are irrelevant - How to partition numbers in to their units and tenths, with visual representations of the units and tenths - How to partition numbers in to their units, tenths, hundredths and thousandths with visual representations of each - Some more examples of how to partition numbers in to their units, tenths, hundredths and thousandths. Emphasise the need to get the number of zeros right	Lower ability – partition 2-digit numbers Middle ability – partition 3-digit numbers Higher ability – partition 4-digit numbers Gifted and talented – partition numbers with decimal places	In partners children to give each other a numbers to partition on their whiteboards Partition each others' numbers, swap and check agree on partitioning discussing any differences