Partitioning numbers in different ways lesson plan

DAY	We Are Learning To (WALT):	MODEL / INTRODUCTION	INDEPENDENT WORK	PLENARY
	Mental: Main: Partition numbers in different ways	Mental: Main: TA to take G+T children and go through following slides of PowerPoint: • 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 in different ways, with visual representations of the units and tenths • How to partition numbers in to their units, tenths, hundredths and thousandths in different ways, 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 Teacher go through PowerPoint covering the following with rest of class: • How to partition some 2-digit numbers in to their tens and units in 3 different ways, with visual representations of the tens and units • How to partition some 3-digit numbers in to their hundreds, tens and units in 3 different ways, with visual representations of the hundreds, tens and units • How to partition a 4-digit number in to thousands, hundreds, tens and units in 3 different ways	Lower ability – fill in missing number in partitioning sentence with 2-digit numbers e.g. 45 = 40 + __ + 2 Middle ability – as lower ability, but with 3-digit numbers Higher ability – as lower ability, but with 4-digit numbers Gifted and talented – as lower ability, but with decimal places	Children think of their own number to partition on their whiteboard Partition this number in as many ways as possible Show work to a partner, explaining how they partitioned each number, focusing on using the correct vocabulary (units, tens, hundreds etc) e.g. 'I partitioned 63 in to 3 tens + 3 tens + 2 units + 1 unit