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: (On each slide emphasise how thinking of one digit at a time makes it easy to partition the numbers in different ways e.g. to partition 63 in different ways, first partition the 60 and then partition the 3) 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 – partition 2-digit numbers in 3 different ways Middle ability – partition 3-digit numbers in 3 different ways Higher ability – partition 4-digit numbers in 3 different ways Gifted and talented – partition numbers with decimal places in 3 different ways	Children think of their own number to partition on their whiteboard Partition this number in as many ways a possible Show work to a partner, explaining ho they partitioned each number focusing on using the correct vocabulary (units, tens, hundreds etc e.g. 'I partitioned 63 in to 3 tens + tens + 2 units + 1 unit