Partitioning numbers lesson plan

DAY	We Are Learning To (WALT):	MODEL / INTRODUCTION	INDEPENDENT WORK	PLENARY
	Mental: Main: Partition numbers	Mental: Main: Revise how columns in 2-digit numbers are tens and units and columns in 3-digit numbers are hundreds, tens and units https://www.ictgames.com/mobilePage/arrowCards/index.html (if the link does not work, Google 'place value interactive teaching tool' to find something similar) to show how a number in the tens column is worth ten times as many as a number in the units column e.g. a 1 in the tens column is worth 10, whereas a 1 in the units column is worth only 1. Repeat to show how a number in the hundreds column is worth ten times as many as a number in the tens column e.g. the 1 in 100 is worth ten lots of ten Model how we can partition numbers e.g. 43 = 40 + 3 or 572 = 500 + 70 + 2 (Lower and middle ability start work) Repeat above model, but for thousands as well e.g. 3,891 = 3,000 + 800 + 90 + 1	Lower ability – partition 2-digit numbers Middle ability – partition 3-digit numbers Higher ability – partition 4-digit numbers Extension – make up own numbers to partition on pupil whiteboards	Give each child a card with either a number e.g. 43 or a number that has been partitioned e.g. 40 + 3. Each child needs to find their corresponding partner (give lower ability 2-digit numbers, middle ability 3-digit numbers and higher ability 4-digit numbers)