

## Partitioning numbers lesson plan

DAY	We Are Learning To (WALT):	MODEL / INTRODUCTION	INDEPENDENT WORK	PLENARY
	<p>Mental:</p> <p>Main: Partition numbers</p>	<p>Mental: Have children count in 2s from 0 to 20 and back, doing a star jump for each number</p> <p>Main: Revise how columns in 2-digit numbers are tens and units and columns in 3-digit numbers are hundreds, tens and units  <a href="https://www.ictgames.com/mobilePage/arrowCards/index.html">https://www.ictgames.com/mobilePage/arrowCards/index.html</a>                      (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. <math>43 = 40 + 3</math> or <math>572 = 500 + 70 + 2</math>                      (Lower and middle ability start work)                      Repeat above model, but for thousands as well e.g. <math>3,891 = 3,000 + 800 + 90 + 1</math></p>	<p>Lower ability – partition 2-digit numbers</p> <p>Middle ability – partition 3-digit numbers</p> <p>Higher ability – partition 4-digit numbers</p> <p>Extension – make up own numbers to partition on pupil whiteboards</p>	<p>Give each child a card with either a number e.g. 43 or a number that has been partitioned e.g. <math>40 + 3</math>. 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)</p>