

## Ordering numbers lesson plan

DAY	We Are Learning To (WALT):	MODEL / INTRODUCTION	INDEPENDENT WORK	PLENARY
Tu	<p>Mental:</p> <p>Main: Order digits from lowest to highest</p>	<p>Mental:</p> <p>Main: Go through PowerPoint covering the following:</p> <ul style="list-style-type: none"> <li>• 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</li> <li>• Examples of 2-digit, 3-digit and 4-digit numbers At this point G+T children to go and attempt higher ability work (ordering 4-digit numbers)</li> <li>• Explaining what place value means and how the place of a digit gives it its value</li> <li>• Visual representations of some 2-digit numbers</li> <li>• Some 2-digit numbers for children to order. (Observe how well they do this)</li> <li>• Visual representations of some 2-digit numbers, with the same digit in the tens column</li> <li>• Some 2-digit numbers for children to order, with the same digit in the tens column (Observe how well they do this) At this point less able children can begin their independent work</li> <li>• Visual representations of some 3-digit numbers</li> <li>• Some 3-digit numbers for children to order. (Observe how well they do this)</li> <li>• Visual representations of some 3-digit numbers, with the same digit in the hundreds</li> <li>• Some 2-digit numbers for children to order, with the same digit in the hundreds (Observe how well they do this)</li> <li>• Some 4-digit numbers for children to order (Observe how well they do this) G+T children who have completed the work on ordering 4-digit numbers successfully to come to the carpet. Other children to start independent work</li> <li>• Explaining how a unit can be split in to tenths, with a visual representation</li> <li>• Explaining how a unit can be split in to hundredths, with a visual representation</li> <li>• An explanation and visual representation of how a unit, tenth, hundredth and thousandth relate to each other</li> <li>• Explaining how zeros after the final digit in numbers with a decimal place are irrelevant</li> <li>• Some numbers with decimal places for children to order</li> <li>• An explanation of negative numbers, using a number line to explain them</li> <li>• Some examples of positive and negative numbers for children to order</li> </ul>	<p>Lower ability – order 2-digit numbers</p> <p>Middle ability – order 3-digit numbers</p> <p>Higher ability – order 4-digit numbers</p> <p>Gifted and talented – order numbers with decimal places and negative numbers</p>	<p>In partners children to give each other a set of numbers to order on their whiteboards Discuss how we can make it trickier for our partners e.g. have the tens be the same Order each others, swap and check agree on ordering, discussing any differences</p>