









	National Curriculum Statement	All students		
		Fluency	Reasoning	Problem Solving
Place Value	<p>Recognise the place value of each digit in a four digit number (thousands, hundreds, tens and ones)</p>	<ul style="list-style-type: none"> Find the value of ● in each statement. $\bullet = 3000 + 500 + 40$ $2000 + \bullet + 2 = 2702$ $\bullet + 40 + 5 = 3045$ Write the value of the underlined digit. $\underline{3}462, 5\underline{1}24, 702\underline{4}, 472\underline{0}$ 1423 is made up of _ thousands, _ hundreds, _ tens and _ ones. 	<ul style="list-style-type: none"> Show the value of 5 in each of these numbers. 5462, 345, 652, 7523 Explain how you know. Create 5 four digit numbers where the tens number is 2 and the digits add up to 9. Order them from smallest to largest. How many different ways can you write 5340? 	<ul style="list-style-type: none"> Claire thinks of a 4 digit number. The digits add up to 12. The difference between the first and fourth digit is 5. What could Claire's number be? Use the clues to find the missing digits.  <p>The thousands and tens digit multiply together to make 24. The hundreds and tens digit have a digit total of 9. The ones digit is double the thousands digit. The whole number has a digit total of 18.</p> <ul style="list-style-type: none"> There are 4 number cards, A, B, C and D. They each have a four digit number on. Using the clues below, work out which card has which number. <p>3421, 1435, 3431, 1243 A has a digit total of 10. B and C have the same thousands digit. In C and D the tens and hundreds digits add up to 7. D has the largest digit total.</p>

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Place Value	<p>Read Roman numerals to 100 (I to C) and know that over time, the numeral system changed to include the concept of zero and place value.</p>	<ul style="list-style-type: none"> Match the Arabic numeral to the correct Roman numeral. Using the table above, fill in the missing Roman numerals. <table border="1" style="margin: 10px auto;"> <tr> <td>15</td> <td>LV</td> </tr> <tr> <td>55</td> <td>XCIII</td> </tr> <tr> <td>39</td> <td></td> </tr> <tr> <td></td> <td>XV</td> </tr> <tr> <td>88</td> <td>C</td> </tr> <tr> <td>93</td> <td>XXXIX</td> </tr> </table> <ul style="list-style-type: none"> Convert the Roman numeral into Arabic numerals. XVII - XXIV -XIX 	15	LV	55	XCIII	39			XV	88	C	93	XXXIX	<ul style="list-style-type: none"> Look at the multiples of 10. Is there a pattern? What do you notice? Bobby says “In the 10 times table, all the numbers have a zero. Therefore, in Roman numerals all multiples of 10 have an X.” Is he correct? Prove it. 	<ul style="list-style-type: none"> Treasure hunt- Complete the trail by adding the Roman Numerals together as you go. If you know 1 – 100 in Roman numerals can you guess the numbers up to 1000?
15	LV															
55	XCIII															
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Place Value	Identify, represent and estimate numbers using different representations.	<ul style="list-style-type: none"> What number is represented below? 	<ul style="list-style-type: none"> Place 2500 on the number lines below.   	<ul style="list-style-type: none"> Using 3 counters and the place value grid below, how many 4 digit numbers can you make? <table border="1" data-bbox="1523 462 1892 566"> <tr> <td>1000</td> <td>100</td> <td>10</td> <td>1</td> </tr> <tr> <td>●</td> <td></td> <td>●</td> <td>●</td> </tr> </table>	1000	100	10	1	●		●	●
		1000	100	10	1							
●		●	●									
		<ul style="list-style-type: none"> Use place value counters to represent the following numbers: 1245, 3015, 4702 Show 1600 on the number line. 	<ul style="list-style-type: none"> Hamish has one counter and a place value grid. He says he can make a one, two, three, four and five digit number. Is he correct? Show this on a place value grid. Amelia says 'The number in the place value grid is the largest number you can make with 8 counters.' Do you agree? Prove your answer. <table border="1" data-bbox="1041 1141 1411 1340"> <tr> <td>1000</td> <td>100</td> <td>10</td> <td>1</td> </tr> <tr> <td>●●●●</td> <td>●</td> <td>●</td> <td>●</td> </tr> </table>	1000	100	10	1	●●●●	●	●	●	<ul style="list-style-type: none"> Dan was making a 4 digit number using place value counters. He dropped two of his counters on the floor. What number could he have made?  <ul style="list-style-type: none"> If the number on the number line is 1788, what could the start and end numbers be? 
1000	100	10	1									
●●●●	●	●	●									