

# Year 4, Term 1 Knowledge Organiser for Place Value and Multiplication and Division (times tables).

Place Value		Multiplication and Division																																																	
<p><b>Manipulatives and strategies</b></p> <p>In order from smallest to largest: 2987, 5894, 6080 4261, 4406, 4540</p> <p>5 or more - round up 4 or less - round down</p> <p>Round to the nearest ten: <math>6538 \rightarrow 6540</math></p> <p>Round to the nearest hundred: <math>6538 \rightarrow 6500</math></p> <p>Round to the nearest thousand: <math>6538 \rightarrow 7000</math></p> <p>1000 less than 3245 is 2245 1000 more than 3245 is 4245</p> <p>Stop and look. What do you notice? Thousands digit rounds multiple positive negative</p> <p>three thousand, two hundred and forty-five 3 thousands, 2 hundreds, 4 tens and 5 ones</p> <p>negative positive</p>		<p><b>Manipulatives and strategies</b></p> <p>If I know... then I also know...</p> <p>The digit sum of multiples of 6 is 3, 6 or 9</p> <p>All multiples of 6 are even numbers.</p> <p>An odd number multiplied by 7 gives an odd product.</p> <p>An even number multiplied by 7 gives an even product.</p> <p><math>64 \times 0 = 0</math> The product of a number and zero is zero.</p> <p><math>64 \times 1 = 64</math> The product of a number and 1 is the number itself.</p> <p><b><math>64 \div 1 = 64</math></b> The quotient when dividing a number by 1 is the number itself.</p>																																																	
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