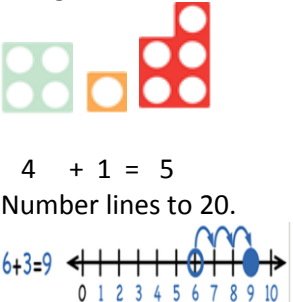
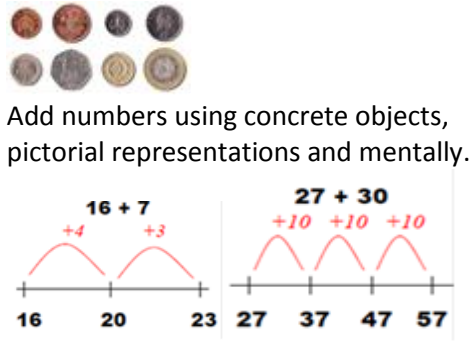
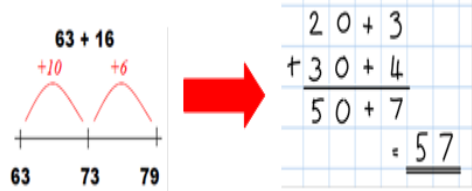
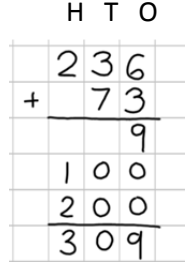
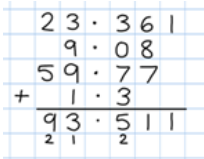
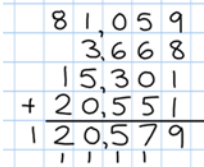


## ADDITION

Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6																																																																														
<p>Practical activities in meaningful contexts. Use of number lines for 'more than'. Informal pictorial recording methods leading to simple number sentences using +/- sign. Use of tallying</p>	<p>Through practical activities in meaningful contexts and informal written methods. Recall number bonds to 20 and within 20. Pictures and Marks – 1 more / 2 more. There are 3 cars in the garage. 1 more came along.</p>  <p>4 + 1 = 5 Number lines to 20.</p> <p>6 + 3 = 9</p> <p>Derive related facts to 20</p> <p>□ = 5 + 4 5 + 4 = □ □ + 4 = 9 □ + □ = 9</p> <p>Money and addition up to 20p. Read, write and interpret mathematical statement involving addition (+) and equals (=).</p> <p><b>National Curriculum requirements:</b> Add 1 digit and 2 digit numbers to 20, including 0.</p>	<p>Through practical activities in meaningful contexts and informal written methods. Fluent recall of bonds to 20 and within 20. Derive and use related facts up to 100. Addition of money up to £1</p>  <p>16 + 7 = 23 27 + 30 = 57</p> <p>Add numbers using concrete objects, pictorial representations and mentally.</p> <p>Show that addition of two numbers can be done in any order (commutative)</p> <p>Recognise and use the inverse relationship between addition and subtraction.</p> <p>Progressing to partitioned columnar method (in preparation for year 3).</p>  <p><b>National Curriculum requirements:</b> (using concrete objects, pictorial representations and mentally) Add 2 digit numbers and ones. Add 2 digit number and tens. Add two 2 digit numbers. Add three 1 digit numbers.</p>	<p>Continue with partitioned column method. Introduce expanded column addition.</p>  <p>Progressing to the compact column method.</p> <table style="margin-left: 20px;"> <tr><td>T O</td><td>H T O</td></tr> <tr><td>2 3</td><td>3 1 5</td></tr> <tr><td>+ 4 6</td><td>+ 6 2 4</td></tr> <tr><td><u>6 9</u></td><td><u>9 3 9</u></td></tr> </table> <table style="margin-left: 20px;"> <tr><td>T O</td><td>H T O</td></tr> <tr><td>9 4</td><td>5 6 1</td></tr> <tr><td>+ 7 3</td><td>+ 7 1 8</td></tr> <tr><td><u>1 6 7</u></td><td><u>1 2 7 9</u></td></tr> </table> <table style="margin-left: 20px;"> <tr><td>T O</td><td>H T O</td></tr> <tr><td>4 7</td><td>2 3 7</td></tr> <tr><td>+ 2 5</td><td>+ 5 1 6</td></tr> <tr><td><u>7 2</u></td><td><u>7 5 3</u></td></tr> <tr><td>1</td><td>1</td></tr> </table> <p>Add money using both £ and pence in practical contexts.</p> <p><b>National Curriculum requirements:</b> Add numbers with up to 3 digits, using the formal written method of column addition.</p>	T O	H T O	2 3	3 1 5	+ 4 6	+ 6 2 4	<u>6 9</u>	<u>9 3 9</u>	T O	H T O	9 4	5 6 1	+ 7 3	+ 7 1 8	<u>1 6 7</u>	<u>1 2 7 9</u>	T O	H T O	4 7	2 3 7	+ 2 5	+ 5 1 6	<u>7 2</u>	<u>7 5 3</u>	1	1	<p>Continue with column addition.</p> <table style="margin-left: 20px;"> <tr><td> </td><td>H T O</td></tr> <tr><td> </td><td>3 7 1</td></tr> <tr><td>+</td><td><u>4 8 5</u></td></tr> <tr><td> </td><td>8 5 6</td></tr> <tr><td> </td><td>1</td></tr> </table> <table style="margin-left: 20px;"> <tr><td> </td><td>H T O</td></tr> <tr><td> </td><td>3 7 6</td></tr> <tr><td>+</td><td><u>4 8 5</u></td></tr> <tr><td> </td><td>8 6 1</td></tr> <tr><td> </td><td>1 1</td></tr> </table> <table style="margin-left: 20px;"> <tr><td> </td><td>Th H T O</td></tr> <tr><td> </td><td>2 3 8 8</td></tr> <tr><td>+</td><td><u>1 1 2 4</u></td></tr> <tr><td> </td><td><u>3 5 1 2</u></td></tr> <tr><td> </td><td>1 1</td></tr> </table> <p>Estimate and use inverse operations to check answers to a calculation</p> <p>Add money using both £ and pence in practical contexts.</p> <p><b>National Curriculum requirements:</b> Add numbers with up to 4 digits, using the formal written method of column addition.</p>		H T O		3 7 1	+	<u>4 8 5</u>		8 5 6		1		H T O		3 7 6	+	<u>4 8 5</u>		8 6 1		1 1		Th H T O		2 3 8 8	+	<u>1 1 2 4</u>		<u>3 5 1 2</u>		1 1	<p>Continue to use column addition, adding numbers with more than 4 digits.</p> <table style="margin-left: 20px;"> <tr><td> </td><td>3 2 8 7 9</td></tr> <tr><td>+</td><td><u>3 5 9 8 7</u></td></tr> <tr><td> </td><td><u>6 8 8 6 6</u></td></tr> </table> <p>Addition of money and decimals.</p> <table style="margin-left: 20px;"> <tr><td>£</td><td>2 3 . 5 9</td></tr> <tr><td>+</td><td>£ 7 . 5 5</td></tr> <tr><td> </td><td><u>1 1 . 1 4</u></td></tr> </table> <table style="margin-left: 20px;"> <tr><td> </td><td>19.01</td></tr> <tr><td> </td><td>3.65</td></tr> <tr><td>+</td><td><u>0.70</u></td></tr> <tr><td> </td><td><u>23.36</u></td></tr> <tr><td> </td><td>11</td></tr> </table> <p><b>National Curriculum requirements:</b> Add whole numbers with more than 4 digits, using the formal written method of columnar addition.</p>		3 2 8 7 9	+	<u>3 5 9 8 7</u>		<u>6 8 8 6 6</u>	£	2 3 . 5 9	+	£ 7 . 5 5		<u>1 1 . 1 4</u>		19.01		3.65	+	<u>0.70</u>		<u>23.36</u>		11	<p>Add several numbers of increasing complexity using columnar addition.</p>   <p><b>National Curriculum requirements:</b> Add whole numbers with more than 4 digits, using the formal written method of columnar addition.</p>
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