

Top Tips for Making Progress in Maths

- Learn your times tables up to 12
- Know how to do the 4 operations method (long multiplication, division, subtraction and addition)
- Can use a scientific calculator
- Can use a protractor and ruler
- Know the angles rules (eg 180 in a triangle, 360 in a full turn)

Challenge Beyond the Classroom

- There are thousands of Maths challenge questions on the following website. I great way to challenge yourself

<p>Multiplication: Using the grid Method</p> <p>24×16</p> <table style="margin-left: auto; margin-right: auto;"> <tr><td></td><td>20</td><td>4</td></tr> <tr><td>10</td><td>200</td><td>40</td></tr> <tr><td>6</td><td>120</td><td>24</td></tr> </table> <p>$26 \times 16 = 200 + 120 + 40 + 24$</p> <p>= 384</p>		20	4	10	200	40	6	120	24	<p>Division:</p> <p>Recognition that division is the inverse of multiplication, e.g.:</p> <p style="text-align: center;">$63 \div 9 = 7$ became $7 \times 9 = 63$</p> <p>When dividing larger number use "Bus Stop Method"</p> <p style="text-align: center;">$504 \div 8$</p> <table style="margin-left: auto; margin-right: auto;"> <tr><td>0</td><td>6</td><td>3</td><td>= 63</td></tr> <tr><td>8</td><td>5</td><td>0</td><td>4</td></tr> </table>	0	6	3	= 63	8	5	0	4																							
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<p>Addition:</p> <p>$3\,456 + 975 =$</p> <table style="margin-left: auto; margin-right: auto;"> <tr><td></td><td>3</td><td>4</td><td>5</td><td>6</td></tr> <tr><td>+</td><td></td><td>9</td><td>7</td><td>5</td></tr> <tr><td></td><td></td><td><u>4</u></td><td><u>4</u></td><td><u>3</u></td></tr> <tr><td></td><td></td><td>1</td><td>1</td><td>1</td></tr> </table>		3	4	5	6	+		9	7	5			<u>4</u>	<u>4</u>	<u>3</u>			1	1	1	<p>Subtraction:</p> <p>$8003 - 2569$</p> <table style="margin-left: auto; margin-right: auto;"> <tr><td></td><td>7</td><td>9</td><td>9</td></tr> <tr><td>eg</td><td>8</td><td>0</td><td>0</td></tr> <tr><td></td><td><u>2</u></td><td><u>5</u></td><td><u>6</u></td></tr> <tr><td></td><td>5</td><td>4</td><td>3</td></tr> <tr><td></td><td></td><td></td><td>4</td></tr> </table>		7	9	9	eg	8	0	0		<u>2</u>	<u>5</u>	<u>6</u>		5	4	3				4
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