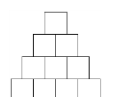


Multiplication and Division

National Curriculum Statement	All students																																																																																					
	Fluency	Reasoning	Problem Solving																																																																																			
<p>Multiply numbers up to 4 digits by a one or two digit number using a formal written method, including long multiplication for 2 digit numbers.</p>	<ul style="list-style-type: none"> Solve the calculations: <table border="1" style="display: inline-table; margin-right: 20px;"> <tr><td></td><td>3</td><td>4</td><td>6</td></tr> <tr><td>x</td><td></td><td>2</td><td>7</td></tr> <tr><td></td><td></td><td></td><td></td></tr> </table> <table border="1" style="display: inline-table;"> <tr><td></td><td>4</td><td>9</td><td>2</td><td>3</td></tr> <tr><td>x</td><td></td><td>3</td><td>1</td><td>4</td></tr> <tr><td></td><td></td><td></td><td></td><td></td></tr> </table> Calculate: 5612 x 4 654 x 34 Mo Farah runs 135 miles a week. How far does he run each year? 		3	4	6	x		2	7						4	9	2	3	x		3	1	4						<ul style="list-style-type: none"> Spot the mistake and make a correction. $\begin{array}{r} 527 \\ \times 42 \\ \hline 10540 \\ \\ \\ \\ \\ \\ \hline 12648 \end{array}$ Laura thinks that a 4 should be placed in the empty box. Do you agree? <table border="1" style="margin-left: 40px;"> <tr><td></td><td>4</td><td>7</td><td></td></tr> <tr><td>x</td><td></td><td>2</td><td>3</td></tr> <tr><td></td><td>1</td><td>0</td><td>9</td><td>0</td><td>2</td></tr> </table> What goes in the missing box? $12 \square 2 \div 6 = 212$ $14 \square 4 \div 7 = 212$ <p>Prove your answer.</p> 		4	7		x		2	3		1	0	9	0	2	<ul style="list-style-type: none"> Using the digits 1, 2, 3 and 4 in any order in the bottom row of the number pyramid, how many different totals can you make? What is the smallest/ largest total?  Find the missing digits: <table border="1" style="margin-left: 40px;"> <tr><td></td><td></td><td>5</td><td>2</td><td></td></tr> <tr><td>x</td><td></td><td></td><td></td><td>7</td></tr> <tr><td></td><td>1</td><td>5</td><td>3</td><td>0</td></tr> <tr><td></td><td></td><td>3</td><td>6</td><td>4</td><td>7</td></tr> <tr><td></td><td>1</td><td></td><td>2</td><td>7</td><td>7</td></tr> </table> Start with 0; choose a path through the maze. Which path has the highest/ lowest total? <table border="1" style="margin-left: 40px;"> <tr><td>S</td><td>+6</td><td>X5</td><td>X2</td><td>-4</td></tr> <tr><td>+7</td><td>X8</td><td>+9</td><td>X7</td><td>X6</td></tr> <tr><td>X5</td><td>+3</td><td>X4</td><td>+9</td><td>E</td></tr> </table> 			5	2		x				7		1	5	3	0			3	6	4	7		1		2	7	7	S	+6	X5	X2	-4	+7	X8	+9	X7	X6	X5	+3	X4	+9	E
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