


Maths Homework activities for Year 5 HT2

This half term the focus is on Multiplication and division. Please let us know how your child gets on with the activities you try. Occasionally your child may be given extra homework to reinforce an area of Maths they need more practise with.

<p>Multiply and divide using known facts</p>	<p>I can multiply and divide whole numbers and those involving decimals by 10, 100 and 1000.</p>	<p>I can multiply numbers up to 4 digits by a 1-digit or 2-digit number using a formal written method</p>	<p>I can divide numbers up to 4 digits by a 1-digit number using the formal written method of short division</p>																																																															
<p>Your child is expected to know all their times tables and the division facts that go with them. For example: $7 \times 2 = 14$ so $14 \div 2 = 7$ and $14 \div 7 = 2$</p> <p>This website has over 20 different games to practise times tables: http://www.primaryhomeworkhelp.co.uk/maths/timestable/interactive.htm</p> <div style="text-align: center;">  </div> <p>Get practising all your times tables on TTRS!</p>	<p>When you multiply a decimal by 10 you move all the digits one place to the left. The number becomes 10 times bigger. When you divide a decimal by 10 you move all the digits one place to the right. The number becomes 10 times smaller.</p> <div style="text-align: center;"> <p>Multiplying and Dividing by 10, 100 and 1000</p> <table border="1" style="margin: 0 auto; border-collapse: collapse;"> <tr> <td style="padding: 2px;">10 000</td> <td style="padding: 2px;">1000</td> <td style="padding: 2px;">100</td> <td style="padding: 2px;">10</td> <td style="padding: 2px;">1</td> <td style="padding: 2px;">●</td> <td style="padding: 2px;">$\frac{1}{10}$</td> <td style="padding: 2px;">$\frac{1}{100}$</td> <td style="padding: 2px;">$\frac{1}{1000}$</td> </tr> <tr> <td style="padding: 2px;"> </td> <td style="padding: 2px;"> </td> <td style="padding: 2px;"> </td> <td style="padding: 2px;"> </td> <td style="padding: 2px;"> </td> <td style="padding: 2px;">●</td> <td style="padding: 2px;"> </td> <td style="padding: 2px;"> </td> <td style="padding: 2px;"> </td> </tr> </table> <div style="display: flex; justify-content: space-around; margin-top: 10px;"> <div style="text-align: center;"> <p>Multiplying</p> <p>X 10 digits move LEFT 1 space X 100 digits move LEFT 2 spaces X 1000 digits move LEFT 3 spaces</p> <p>←</p> </div> <div style="text-align: center;"> <p>Dividing</p> <p>÷ 10 digits move RIGHT 1 space ÷ 100 digits move RIGHT 2 spaces ÷ 1000 digits move RIGHT 3 spaces</p> <p>→</p> </div> </div> <p style="font-size: small; margin-top: 5px;">© 2012 www.primaryhomeworkhelp.co.uk</p> </div> <p>Great game to practise: https://campus.mangahigh.com/en-gb/px/36/0/0</p>	10 000	1000	100	10	1	●	$\frac{1}{10}$	$\frac{1}{100}$	$\frac{1}{1000}$						●				<p>The children are first of all taught an expanded method to make sure they understand the value involved in each step.</p> <div style="display: flex; align-items: center; justify-content: center; margin: 10px 0;"> <table style="border-collapse: collapse; margin-right: 20px;"> <tr><td style="padding: 0 5px;">$\frac{10s}{1s}$</td><td style="padding: 0 5px;">$\frac{1s}{1s}$</td></tr> <tr><td style="padding: 0 5px;">2</td><td style="padding: 0 5px;">4</td></tr> <tr><td style="padding: 0 5px;">x 1</td><td style="padding: 0 5px;">6</td></tr> <tr><td style="border-top: 1px solid black; padding: 0 5px;">2</td><td style="border-top: 1px solid black; padding: 0 5px;">4</td></tr> <tr><td style="padding: 0 5px;">1</td><td style="padding: 0 5px;">2 0</td></tr> <tr><td style="padding: 0 5px;">4</td><td style="padding: 0 5px;">0</td></tr> <tr><td style="border-top: 1px solid black; padding: 0 5px;">2</td><td style="border-top: 1px solid black; padding: 0 5px;">0 0</td></tr> <tr><td style="padding: 0 5px;">3</td><td style="padding: 0 5px;">8 4</td></tr> </table> <div style="margin-left: 20px;"> <p>(6 x 4)</p> <p>(6 x 20)</p> <p>(10 x 4)</p> <p>(10 x 20)</p> </div> </div> <p>They then move onto the compact formal method for multiplication.</p> <div style="display: flex; align-items: center; justify-content: center; margin: 10px 0;"> <table style="border-collapse: collapse; margin-right: 20px;"> <tr><td style="padding: 0 5px;">$\frac{10}{s}$</td><td style="padding: 0 5px;">$\frac{1s}{s}$</td></tr> <tr><td style="padding: 0 5px;">2</td><td style="padding: 0 5px;">4</td></tr> <tr><td style="padding: 0 5px;">x 1</td><td style="padding: 0 5px;">6</td></tr> <tr><td style="border-top: 1px solid black; padding: 0 5px;">1</td><td style="border-top: 1px solid black; padding: 0 5px;">4 4</td></tr> <tr><td style="padding: 0 5px;">2</td><td style="padding: 0 5px;">4 0</td></tr> <tr><td style="border-top: 1px solid black; padding: 0 5px;">3</td><td style="border-top: 1px solid black; padding: 0 5px;">8 4</td></tr> </table> </div>	$\frac{10s}{1s}$	$\frac{1s}{1s}$	2	4	x 1	6	2	4	1	2 0	4	0	2	0 0	3	8 4	$\frac{10}{s}$	$\frac{1s}{s}$	2	4	x 1	6	1	4 4	2	4 0	3	8 4	<p>Year 5 learn to divide using the 'bus stop' method. They start by dividing 2 and 3 digit numbers by a single digit number. Sometimes these questions will have remainders. It is acceptable for pupils to write down known facts to help them.</p> <div style="display: flex; align-items: center; justify-content: center; margin: 10px 0;"> <table style="border-collapse: collapse; margin-right: 20px;"> <tr><td style="padding: 0 5px;">1</td><td style="padding: 0 5px;">6</td></tr> <tr><td style="padding: 0 5px;">4</td><td style="padding: 0 5px;">6 24</td></tr> </table> <div style="margin-left: 20px;"> <p>4</p> <p>8</p> <p>12</p> <p>16</p> </div> </div> <p>They then move onto the compact formal method for division.</p> <div style="display: flex; align-items: center; justify-content: center; margin: 10px 0;"> <table style="border-collapse: collapse; margin-right: 20px;"> <tr><td style="padding: 0 5px;">1</td><td style="padding: 0 5px;">6</td><td style="padding: 0 5px;">r1</td></tr> <tr><td style="padding: 0 5px;">4</td><td style="padding: 0 5px;">6 25</td><td></td></tr> <tr><td style="padding: 0 5px;">1</td><td style="padding: 0 5px;">4</td><td style="padding: 0 5px;">6</td></tr> </table> <table style="border-collapse: collapse;"> <tr><td style="padding: 0 5px;">3</td><td style="padding: 0 5px;">4</td><td style="padding: 0 5px;">13</td><td style="padding: 0 5px;">18</td></tr> </table> </div>	1	6	4	6 24	1	6	r1	4	6 25		1	4	6	3	4	13	18
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We will let you know of any other useful activities, websites and games.