

ANSWERS



Maths Focus: Mental and written multiplication and division; using the inverse operation

Helpful Hints: If a white box is empty, you will need to use multiplication to help you whereas if a grey box is empty, you will need to use the inverse of division to help you solve the unknown number

Level 1	Level 2	Level 3																																																																		
<p>Austin is looking at a special multiplication square but some of the numbers are missing. The numbers in the coloured boxes are multiplied together to give the numbers in the middle.</p> <table border="1"> <tr> <td>x</td> <td>1</td> <td>2</td> <td>3</td> </tr> <tr> <td>2</td> <td>2</td> <td>4</td> <td>6</td> </tr> <tr> <td>5</td> <td>5</td> <td>10</td> <td>15</td> </tr> <tr> <td>10</td> <td>10</td> <td>20</td> <td>30</td> </tr> </table> <p>1. Solve the missing numbers from the multiplication square.</p>	x	1	2	3	2	2	4	6	5	5	10	15	10	10	20	30	<p>Austin is looking at a special multiplication square but some of the numbers are missing. The numbers in the coloured boxes are multiplied together to give the numbers in the middle.</p> <table border="1"> <tr> <td>x</td> <td>10</td> <td>5</td> <td>3</td> <td>4</td> </tr> <tr> <td>7</td> <td>70</td> <td>35</td> <td>21</td> <td>28</td> </tr> <tr> <td>6</td> <td>60</td> <td>30</td> <td>18</td> <td>24</td> </tr> <tr> <td>8</td> <td>80</td> <td>40</td> <td>24</td> <td>32</td> </tr> <tr> <td>4</td> <td>40</td> <td>20</td> <td>12</td> <td>16</td> </tr> </table> <p>1. Solve the missing numbers from the multiplication square.</p>	x	10	5	3	4	7	70	35	21	28	6	60	30	18	24	8	80	40	24	32	4	40	20	12	16	<p>Austin is looking at a special multiplication square but some of the numbers are missing. The numbers in the coloured boxes are multiplied together to give the numbers in the middle.</p> <table border="1"> <tr> <td>x</td> <td>7</td> <td>13</td> <td>20</td> <td>9</td> </tr> <tr> <td>15</td> <td>105</td> <td>195</td> <td>300</td> <td>135</td> </tr> <tr> <td>6</td> <td>42</td> <td>78</td> <td>120</td> <td>54</td> </tr> <tr> <td>$\frac{1}{2}$</td> <td>$3\frac{1}{2}$</td> <td>$6\frac{1}{2}$</td> <td>10</td> <td>$4\frac{1}{2}$</td> </tr> <tr> <td>30</td> <td>210</td> <td>390</td> <td>600</td> <td>270</td> </tr> </table> <p>1. Solve the missing numbers from the multiplication square (without using a calculator!)</p>	x	7	13	20	9	15	105	195	300	135	6	42	78	120	54	$\frac{1}{2}$	$3\frac{1}{2}$	$6\frac{1}{2}$	10	$4\frac{1}{2}$	30	210	390	600	270
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