



Maths Focus: multiplication and division; inverse operations; place value and mathematical thinking

Helpful Hints: use your knowledge of place value to help you with the more challenging unknowns; for example, if $3 \times 2 = 6$ then $3 \times 20 = 60$

Level 1	Level 2	Level 3																																																																											
<p>Emma is trying to solve a 'cross multiplication' puzzle where there are multiplication calculations both across and down.</p> <table border="1" style="margin: 10px auto; border-collapse: collapse; text-align: center;"> <tr><td>2</td><td>x</td><td>5</td><td>=</td><td></td></tr> <tr><td>x</td><td style="background-color: #cccccc;"></td><td>x</td><td style="background-color: #cccccc;"></td><td style="background-color: #cccccc;"></td></tr> <tr><td>3</td><td>x</td><td>10</td><td>=</td><td></td></tr> <tr><td>=</td><td style="background-color: #cccccc;"></td><td>=</td><td style="background-color: #cccccc;"></td><td style="background-color: #cccccc;"></td></tr> <tr><td></td><td style="background-color: #cccccc;"></td><td></td><td style="background-color: #cccccc;"></td><td style="background-color: #cccccc;"></td></tr> </table> <p>1. What numbers go in the missing boxes?</p>	2	x	5	=		x		x			3	x	10	=		=		=								<p>Emma is trying to solve a 'cross multiplication' puzzle where there are multiplication calculations both across and down.</p> <table border="1" style="margin: 10px auto; border-collapse: collapse; text-align: center;"> <tr><td>4</td><td>x</td><td>8</td><td>=</td><td></td></tr> <tr><td>x</td><td style="background-color: #cccccc;"></td><td>x</td><td style="background-color: #cccccc;"></td><td style="background-color: #cccccc;"></td></tr> <tr><td>3</td><td>x</td><td></td><td>=</td><td>21</td></tr> <tr><td>=</td><td style="background-color: #cccccc;"></td><td>=</td><td style="background-color: #cccccc;"></td><td style="background-color: #cccccc;"></td></tr> <tr><td></td><td style="background-color: #cccccc;"></td><td>56</td><td style="background-color: #cccccc;"></td><td style="background-color: #cccccc;"></td></tr> </table> <p>1. What numbers go in the missing boxes?</p>	4	x	8	=		x		x			3	x		=	21	=		=					56			<p>Emma is trying to solve a 'cross multiplication' puzzle where there are multiplication calculations both across and down.</p> <table border="1" style="margin: 10px auto; border-collapse: collapse; text-align: center;"> <tr><td>9</td><td>x</td><td></td><td>=</td><td>810</td></tr> <tr><td>x</td><td style="background-color: #cccccc;"></td><td>x</td><td style="background-color: #cccccc;"></td><td style="background-color: #cccccc;"></td></tr> <tr><td></td><td>x</td><td>5</td><td>=</td><td></td></tr> <tr><td>=</td><td style="background-color: #cccccc;"></td><td>=</td><td style="background-color: #cccccc;"></td><td style="background-color: #cccccc;"></td></tr> <tr><td>540</td><td style="background-color: #cccccc;"></td><td></td><td style="background-color: #cccccc;"></td><td style="background-color: #cccccc;"></td></tr> </table> <p>1. What numbers go in the missing boxes?</p>	9	x		=	810	x		x				x	5	=		=		=			540				
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