

<table border="1"> <thead> <tr> <th>Input p</th> <th>Output q</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>2</td> </tr> <tr> <td>2</td> <td>4</td> </tr> <tr> <td>3</td> <td>6</td> </tr> <tr> <td>7</td> <td>14</td> </tr> <tr> <td>8</td> <td>?</td> </tr> </tbody> </table>	Input p	Output q	1	2	2	4	3	6	7	14	8	?	<p>What is the rule for this chart?</p> <p>What number completes the chart?</p>	<p>RULE: <math>p \times 2 = q</math></p> <p>The Missing Number: 18</p>
Input p	Output q													
1	2													
2	4													
3	6													
7	14													
8	?													
<table border="1"> <thead> <tr> <th>Input s</th> <th>Output t</th> </tr> </thead> <tbody> <tr> <td>12</td> <td>6</td> </tr> <tr> <td>10</td> <td>5</td> </tr> <tr> <td>8</td> <td>3</td> </tr> <tr> <td>4</td> <td>?</td> </tr> <tr> <td>8</td> <td>?</td> </tr> </tbody> </table>	Input s	Output t	12	6	10	5	8	3	4	?	8	?	<p>What is the rule for this chart?</p> <p>What number completes the chart?</p>	<p>RULE: <math>s \div 2 = t</math></p> <p>The Missing Number: 9</p>
Input s	Output t													
12	6													
10	5													
8	3													
4	?													
8	?													
<p>What is the rule for this pattern?</p> <p>3, 9, 4, 12, 7, <u>?</u></p> <p>What number comes next?</p>		<p>RULE: <math>\times 3, - 5</math></p> <p>The Next Number: 21</p>												
<p>What is the rule for this pattern?</p> <p>85, 94, 87, 96, 89, <u>?</u></p> <p>What number comes next?</p>		<p>RULE: <math>+ 9, - 7</math></p> <p>The Next Number: 98</p>												