



Multiplication & Division Puzzles page 1 of 2

1 Fill in the missing numbers.

$$\begin{array}{r} 7 \\ \times \\ \hline 42 \end{array}$$

$$\begin{array}{r} \\ \times 6 \\ \hline 18 \end{array}$$

$$\begin{array}{r} 9 \\ \times \\ \hline 81 \end{array}$$

$$\begin{array}{r} \\ \times 3 \\ \hline 24 \end{array}$$

$$\begin{array}{r} \\ \times 8 \\ \hline 40 \end{array}$$

$$\begin{array}{r} 5 \\ \times \\ \hline 10 \end{array}$$

$$\begin{array}{r} \\ \times 9 \\ \hline 45 \end{array}$$

$$\begin{array}{r} \\ \times 8 \\ \hline 32 \end{array}$$

$$\begin{array}{r} \\ \times \\ \hline 36 \end{array}$$

$$\begin{array}{r} \\ \times 3 \\ \hline 27 \end{array}$$

2 Use multiplication and division to find the secret path through each maze. The starting and ending points are marked for you. You can only move one space up, down, over, or diagonally each time. Write four equations to explain the path through the maze.

<p>ex</p> <table border="1" style="margin-left: auto; margin-right: auto; text-align: center;"> <tr><td colspan="3">start</td></tr> <tr><td>3</td><td>4</td><td>12</td></tr> <tr><td>36</td><td>6</td><td>2</td></tr> <tr><td>9</td><td>4</td><td>6</td></tr> <tr><td colspan="3">end</td></tr> </table> <p style="margin-left: 40px;"> $3 \times 4 = 12$ $12 \div 2 = 6$ $6 \times 6 = 36$ $36 \div 9 = 4$ </p>	start			3	4	12	36	6	2	9	4	6	end			<p>a</p> <table border="1" style="margin-left: auto; margin-right: auto; text-align: center;"> <tr><td colspan="3">start</td></tr> <tr><td>81</td><td>6</td><td>36</td></tr> <tr><td>6</td><td>9</td><td>4</td></tr> <tr><td>7</td><td>42</td><td>9</td></tr> <tr><td colspan="3">end</td></tr> </table>	start			81	6	36	6	9	4	7	42	9	end			<p>b</p> <table border="1" style="margin-left: auto; margin-right: auto; text-align: center;"> <tr><td colspan="2">start</td><td>end</td></tr> <tr><td>1</td><td>3</td><td>2</td></tr> <tr><td>6</td><td>2</td><td>9</td></tr> <tr><td>3</td><td>18</td><td>2</td></tr> </table>	start		end	1	3	2	6	2	9	3	18	2
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3 Complete the division table below.

÷	60	24	12	18	54	540	180	120
6								

(continued on next page)

NAME _____

DATE _____

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- 4** Ryan bought 4 dozen eggs. His recipe for cookies calls for 3 eggs in each batch. How many batches of cookies can he make with the eggs he bought?

- 5** **CHALLENGE** Write a story problem to match the equation $36 \div 5 = 7 \text{ R}1$.