

# Product Game

1. Player A places a colored chip on a number in the factor list. (Player A does not get to mark a square on the first turn because only one factor has been marked; it takes two factors to make a product.)
2. Player B places a different colored chip on any number on the factor list (including the same number marked by Player A). Then Player B places a colored chip on the product of those two factors.
3. Player A moves their colored chip to another factor and then marks the product on the game board with their color.
4. Each player, in turn, moves their colored chip and marks their product on the game board. The winner is the first player to mark 4 squares in a row – up, down, across, or diagonally.

To play vs. the computer: <http://illuminations.nctm.org/Activity.aspx?id=4213>

<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>
<b>7</b>	<b>8</b>	<b>9</b>	<b>10</b>	<b>12</b>	<b>14</b>
<b>15</b>	<b>16</b>	<b>18</b>	<b>20</b>	<b>21</b>	<b>24</b>
<b>25</b>	<b>27</b>	<b>28</b>	<b>30</b>	<b>32</b>	<b>35</b>
<b>36</b>	<b>40</b>	<b>42</b>	<b>45</b>	<b>48</b>	<b>49</b>
<b>54</b>	<b>56</b>	<b>63</b>	<b>64</b>	<b>72</b>	<b>81</b>

Factors:

**1 2 3 4 5 6 7 8 9**