

Name: \_\_\_\_\_

Date: \_\_\_\_\_

**BLM 6-5**

## Section 6.2 Achievement Check Rubric

Categories	Level 1	Level 2	Level 3	Level 4
<b>Knowledge and Understanding</b> <ul style="list-style-type: none"> <li>Proves the grids are Magic Product Squares in parts a) and d).</li> </ul>	Checks the product of one row and column.	Checks the product of a few rows and columns.	Checks the product of most of the rows and columns.	Checks the product of all rows, columns, and diagonals.
<b>Thinking</b> <ul style="list-style-type: none"> <li>Prepares a plan to solve the problem.</li> <li>Carries out the plan.</li> </ul>	Needs extensive assistance to begin organizing a plan and needs clearly laid out steps to follow.	Needs some assistance to begin organizing a plan and needs some steps to follow.	Needs minimal assistance to organize and implement an effective strategy.	Needs no assistance to organize and implement an effective strategy.
<b>Communication</b> <ul style="list-style-type: none"> <li>Clear explanations and full justifications.</li> </ul>	Does not clearly explain or justify solution.	Explains and justifies solution somewhat.	Explains and justifies solution fully.	Explains, justifies and shows insight into the complexities of the solution.
<b>Application</b> <ul style="list-style-type: none"> <li>Rewrites the numbers as powers of 2 in part b) and finds pattern in part c).</li> <li>Verifies that the cube of the central square is the Magic Product in part e).</li> </ul>	Makes major errors in the solutions and verifies one of the central squares is the Magic Product.	Makes minor errors in the solutions or verifies one of the central squares is the Magic Product.	Gives correct solutions and verifies both of the central squares are the Magic Products.	Gives correct and complete solutions and verifies both of the central squares are the Magic Products.