Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Date \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Hr \_\_\_\_\_

**THE MATHEMATICAL PRACTICES**

**STUDENT Self-Assessment Rubric**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Today, during this math lesson, as a student I did my best to:**  **1)** **Make sense of problems and persevere in solving them.** | **I did not participate**  **in this way** | **I tried some of the time** | **I gave a good effort** | **I did my best** |
| 1. I figured out the problem and came up with a plan to solve it. | **1** | **2** | **3** | **4** |
| 2. I showed work to support my plan. | **1** | **2** | **3** | **4** |
| 3. I shared my plan and solution with others. | **1** | **2** | **3** | **4** |
| 4. I attempted to understand another student’s plan and solution. | **1** | **2** | **3** | **4** |
| Area where I was the most proficient: | | | | |
| Area where I need to improve the most: | | | | |
| In order to improve, I plan to: | | | | |

Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Date \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Hr \_\_\_\_\_

**THE MATHEMATICAL PRACTICES**

**STUDENT Self-Assessment Rubric**

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| **Today, during this math lesson, as a student I did my best to:**  **2)** **Reason abstractly and quantitatively.** | **I did not participate**  **in this way** | **I tried some of the time** | **I gave a good effort** | **I did my best** |
| 1. I solved the problem using manipulatives, drawings, numbers, numbers and variables, or variables only. | **1** | **2** | **3** | **4** |
| 2. I can explain how I solved the problem. | **1** | **2** | **3** | **4** |
| 3. I checked to make sure my answer makes sense. | **1** | **2** | **3** | **4** |
| 4. I used the correct units to solve the problem. | **1** | **2** | **3** | **4** |
| Area where I was the most proficient: | | | | |
| Area where I need to improve the most: | | | | |
| In order to improve, I plan to: | | | | |

Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Date \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Hr \_\_\_\_\_

**THE MATHEMATICAL PRACTICES**

**STUDENT Self-Assessment Rubric**

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| **Today, during this math lesson, as a student I did my best to:**  **3) Construct viable arguments and critique**  **the reasoning of others.** | **I did not participate**  **in this way** | **I tried some of the time** | **I gave a good effort** | **I did my best** |
| 1. I broke the problem into smaller steps. | **1** | **2** | **3** | **4** |
| 2. I understood how to solve the problem in more than one way. | **1** | **2** | **3** | **4** |
| 3. I listened to how other students solved the problem. | **1** | **2** | **3** | **4** |
| 4. I asked questions about someone else’s explanation. | **1** | **2** | **3** | **4** |
| 5. I explained to other students how I did my work. | **1** | **2** | **3** | **4** |
| Area where I was the most proficient: | | | | |
| Area where I need to improve the most: | | | | |
| In order to improve, I plan to: | | | | |

Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Date \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Hr \_\_\_\_\_

**THE MATHEMATICAL PRACTICES**

**STUDENT Self-Assessment Rubric**

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| **Today, during this math lesson, as a student I did my best to:**  **4) Model with mathematics.** | **I did not participate**  **in this way** | **I tried some of the time** | **I gave a good effort** | **I did my best** |
| 1. I changed my answer if it didn’t make sense. | **1** | **2** | **3** | **4** |
| 2. I used diagrams, tables, graphs, flowcharts, formulas and basic math to show my work. | **1** | **2** | **3** | **4** |
| 3. I used prior knowledge to solve the problem. | **1** | **2** | **3** | **4** |
| 4. I estimated to make the problem easier. | **1** | **2** | **3** | **4** |
| Area where I was the most proficient: | | | | |
| Area where I need to improve the most: | | | | |
| In order to improve, I plan to: | | | | |

Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Date \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Hr \_\_\_\_\_

**THE MATHEMATICAL PRACTICES**

**STUDENT Self-Assessment Rubric**

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| **Today, during this math lesson, as a student I did my best to:**  **5) Use appropriate tools strategically.** | **I did not participate**  **in this way** | **I tried some of the time** | **I gave a good effort** | **I did my best** |
| 1. I used resources to problem solve. | **1** | **2** | **3** | **4** |
| 2. I used tools to find mathematical concepts. | **1** | **2** | **3** | **4** |
| 3. I examined my answer and fixed it when necessary. | **1** | **2** | **3** | **4** |
| 4. I used technology and applied it to my math assignments. | **1** | **2** | **3** | **4** |
| Area where I was the most proficient: | | | | |
| Area where I need to improve the most: | | | | |
| In order to improve, I plan to: | | | | |

Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Date \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Hr \_\_\_\_\_

**THE MATHEMATICAL PRACTICES**

**STUDENT Self-Assessment Rubric**

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| **Today, during this math lesson, as a student I did my best to:**  **6) Attend to precision.** | **I did not participate**  **in this way** | **I tried some of the time** | **I gave a good effort** | **I did my best** |
| 1. I used proper vocabulary when explaining my answer. | **1** | **2** | **3** | **4** |
| 2. I used the equal symbol correctly. | **1** | **2** | **3** | **4** |
| 3. I labeled my work and my answer. | **1** | **2** | **3** | **4** |
| 4. I correctly chose whether to estimate or give an exact answer. | **1** | **2** | **3** | **4** |
| Area where I was the most proficient: | | | | |
| Area where I need to improve the most: | | | | |
| In order to improve, I plan to: | | | | |

Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Date \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Hr \_\_\_\_\_

**THE MATHEMATICAL PRACTICES**

**STUDENT Self-Assessment Rubric**

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| **Today, during this math lesson, as a student I did my best to:**  **7) Look for and make use of structure.** | **I did not participate**  **in this way** | **I tried some of the time** | **I gave a good effort** | **I did my best** |
| 1. I looked for patterns and/ or relationships to sort out the information. | **1** | **2** | **3** | **4** |
| 2. I used existing data, and my prior knowledge to solve the problem. | **1** | **2** | **3** | **4** |
| 3. I broke down the problem into smaller steps. | **1** | **2** | **3** | **4** |
| 4. I analyzed my work from different perspectives. | **1** | **2** | **3** | **4** |
| Area where I was the most proficient: | | | | |
| Area where I need to improve the most: | | | | |
| In order to improve, I plan to: | | | | |

Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Date \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Hr \_\_\_\_\_

**THE MATHEMATICAL PRACTICES**

**STUDENT Self-Assessment Rubric**

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| **Today, during this math lesson, as a student I did my best to:**  **8) Look for and express regularity in repeated reasoning.** | **I did not participate**  **in this way** | **I tried some of the time** | **I gave a good effort** | **I did my best** |
| 1. I recognized a repeating pattern. | **1** | **2** | **3** | **4** |
| 2. I can explain the repeating pattern. | **1** | **2** | **3** | **4** |
| 3. I used repeating patterns to find a shortcut (formula) for solving the problem. | **1** | **2** | **3** | **4** |
| 4. I paid attention to details. | **1** | **2** | **3** | **4** |
| Area where I was the most proficient: | | | | |
| Area where I need to improve the most: | | | | |
| In order to improve, I plan to: | | | | |

**Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Date \_\_\_\_\_\_\_\_\_\_\_\_ Hr \_\_\_\_\_\_**

**THE MATHEMATICAL PRACTICES Student Self-Assessment Rubric**

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| --- | --- | --- | --- | --- |
| **Criteria** | **Level One**  **(Novice)**  **1** | **Level Two**  **(Apprentice)**  **2** | **Level Three**  **(Practitioner)**  **3** | **Level Four**  **(Expert)**  **4** |
| **Organization of Information** | My work is incomplete.  It is not organized,  so it is hard to follow. | My work is somewhat complete.  I could have done more to show my thinking. | I have shown all of my work. The strategy I used is clearly shown. My work is organized. | My work is well-planned. It is easy to understand my thinking and what I did to solve the problem. It is complete and organized. |
| **Mathematical Accuracy** | I did not understand the mathematics involved in the problem. | I think I knew what to do, but I got stuck somewhere in the process of solving. I could not reach a solution. | I understood the mathematics, but I made some silly mistakes in m computation or math thinking. | I understood the mathematics, showed my steps, and arrived at an accurate solution. |
| **Use of Strategies** | I did not know what strategy to use. I did not show any work or explain my thinking | I started with a strategy but got stuck and did not know where to go next. I could not think of another approach, so I did not reach a solution. | I selected a strategy, but it was not very efficient. It took me a long time to get to a solution. I included some explanation about my approach. | I chose good strategies that led me to a solution. I included all of my work and a clear explanation of what I did. |
| **What I learned from solving this problem:** | | | | |
| **Questions I still have:** | | | | |