

Mathematics Problem-Solving Rubric Example

Criteria	4 Exceeds Expectations	3 Meets Expectations	2 Approaching Expectations	1 Below Expectations
Understanding the Problem	Student clearly demonstrates complete understanding of the problem. All relevant information is identified and interpreted accurately.	Student demonstrates understanding of the problem. Most information is identified and interpreted accurately.	Student shows partial understanding of the problem. Some information is missing or misinterpreted.	Student shows little or no understanding of the problem. Information is missing or misinterpreted.
Mathematical Strategy	An effective and thorough strategy is selected, clearly matching the problem requirements.	An appropriate strategy is used and addresses the key aspects of the problem.	The strategy is incomplete, inefficient, or only partially appropriate for the problem.	The strategy is inappropriate or ineffective. No clear plan is evident.
Mathematical Accuracy	All calculations and procedures are correct and clearly shown.	Most calculations and procedures are correct and clearly shown.	Some calculations and procedures are correct; errors are present or work is unclear.	Frequent errors are made; work is mostly incorrect or not shown.
Reasoning & Explanation	Solution is fully explained, with logical reasoning that is easy to follow.	Most steps are explained and the reasoning is mostly logical and clear.	Some explanation is provided, but reasoning may be incomplete or hard to follow.	Explanation is missing or very difficult to follow.
Presentation & Communication	Solution is exceptionally clear, organized, and easy to read.	Solution is generally clear and organized.	Some organization is evident but solution may be hard to follow.	Solution is disorganized or very difficult to follow.