

MSA Mathematics BCR Rubric Grades 3 through 8

- 2 The response demonstrates a complete understanding and analysis of a problem.**
- Application of a reasonable strategy in the context of the problem is indicated.
 - Explanation¹ of and/or justification² for the mathematical process(es) used to solve a problem is clear, developed, and logical.
 - Connections and/or extensions made within mathematics or outside of mathematics are clear.
 - Supportive information and/or numbers are provided as appropriate.³
- 1 The response demonstrates a minimal understanding and analysis of a problem.**
- Partial application of a strategy in the context of the problem is indicated.
 - Explanation¹ of and/or justification² for the mathematical process(es) used to solve a problem is partially developed, logically flawed, or missing.
 - Connections and/or extensions made within mathematics or outside of mathematics are partial or overly general, or flawed.
 - Supportive information and/or numbers may or may not be provided as appropriate.³
- 0 The response is completely incorrect, irrelevant to the problem, or missing.⁴**

Notes:

¹ **Explanation** refers to students' ability to communicate **how** they arrived at the solution for an item using the language of mathematics.

² **Justification** refers to students' ability to support the reasoning used to solve a problem, or to demonstrate **why** the solution is correct using mathematical concepts and principles.

³ Students need to complete rubric criteria for **explanation, justification, connections** and/or **extensions** as cued for in a given problem.

⁴ Merely an exact copy or paraphrase of the problem will receive a score of "0".