

# Performance Assessment

## PS 1: Understanding the Task

|  |  |                           |  |
|--|--|---------------------------|--|
| 1  | 2  | 3                         | 4  |
| I didn't understand enough to get started or even make progress. | I understood enough to solve part of the problem or to get part of a solution. | I understood the problem. | I identified special factors that influenced the way I approached the problem before starting the problem. |

## PS 2: How you Solved the Problem

|                          |  |   |   |
|--------------------------|--|---|---|
| 1                        | 2  | 3                                       | 4   |
| My approach didn't work. | My approach would only let me solve part of the problem. | My approach would work for the problem. | My approach was efficient or sophisticated. |

## PS 3: Why- Decisions Along the Way

|   |   |   |  |
|---|---|---|--|
| 1   | 2   | 3   | 4  |
| I had no reasons for the decisions I made or my reasoning is incorrect. | My reasoning is only partly correct or I only used correct reasoning for part of the problem. | Although I didn't clearly explain the reasons for my decisions, my work suggests correct reasoning was used throughout the problem. | I clearly explained reasons for the correct decisions I made throughout the problem. |

## PS 4: So What – Outcomes of Activities

|  |  |   |   |
|--|--|---|---|
| 1                                      | 2  | 3   | 4   |
| I solved the problem and then stopped. | I solved the problem and then made comments about something I observed in my solution. | I solved the problem and connected my solution to other math that I know OR I described a use for what I learned in the "real world." | After I solved the problem I made a general rule about the solution of I extended the solution to a more complicated situation. |

## C 1: Mathematical Language

|  |  |   |   |
|--|--|---|---|
| 1  | 2  | 3   | 4   |
| I didn't use any math vocabulary or equations or notations or I used them incorrectly. | I used basic math words or notations accurately. | I went beyond occasional use of basic math language and used the language accurately. | I relied heavily on sophisticated math language to communicate my solution. |

## C 1: Mathematical Representation

|  |  |   |   |
|--|--|---|---|
| 1  | 2  | 3   | 4   |
| I didn't use any graphs, tables, charts, models, diagrams or drawings. | I attempted to use appropriate representation. | I used appropriate mat representation accurately. | I used sophisticated graphs, tables, charts, models, diagrams or drawings to communicate my solution. |

## C 1: Presentation

|                         |                                       |   |  |
|-------------------------|---------------------------------------|---|--|
| 1                       | 2                                     | 3   | 4  |
| My response is unclear. | My response contains some clear parts | If someone else read my response they would have to fill in some details to understand my solution. | My response is well organized and is detailed. |

[Source: Vermont Mathematics Portfolio]