

## Examples of Rubric Types:

### “Holistic Rubric” Example

( Overall evaluation of an open ended task, as though the entire activity pertained to single performance category)

## Rubric for Open-Ended Math Problems\*

### Scoring for Performance Levels of Demonstrated Competence

- 6 Exemplary Response:** Gives a complete response with a clear, coherent, unambiguous, and elegant explanation; includes a clear and simplified diagram; communicates effectively to the identified audience; shows understanding of the problem’s mathematical ideas and processes; identifies all the important elements of the problem; may include examples and counter-examples; presents strong supporting arguments.
- 5 Competent Response:** Gives a fairly complete response with reasonably clear explanations; may include an appropriate diagram; communicates effectively to the identified audience; shows understanding of the problems ideas and processes; identifies most important elements of the problem; presents solid supporting arguments.

### Satisfactory Response

- 4 Minor Flaws But Satisfactory:** Completes the problem satisfactorily, but the explanation may be muddled; argumentation may be incomplete; diagram may be inappropriate or unclear; understands the underlying mathematical ideas; uses ideas effectively.
- 3 Serious Flaws but Nearly Satisfactory:** Begins the problem appropriately but may fail to complete or may omit significant parts of the problem; may fail to show full understanding of math. ideas and processes; may make major computational errors; may misuse or fail to use math. terms; response may reflect an inappropriate strategy for solving the problem.

### Inadequate Response

- 2 Begins, but Fails to Complete Problem:** Explanation is not understandable; diagram may be unclear; shows no

*understanding of the problem situation; may make major computational errors.*

**1 *Unable to Begin Effectively:*** *Words used do not reflect the problem; drawings misrepresent the problem situation; fails to indicate which information is appropriate...*

**0 *No Attempt***

\*Summer Technology Institute at Western Washington University. "Rubric for Open-Ended Math Problems." California CAP Math Report (1989). 11 June 2002.

<<http://tt.ssd.k12.wa.us/dwighth/rubricclass.htm>>