**Quantitative Cumulative Skill**

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| **Evaluation Criteria** | **Student needs intervention** | **Student is on the way, but needs to work on some quantitative skills** | **Student is ready for Div II and III**  |
| **Numeracy** | Calculations contain errors. | Calculations are typically accurate. | Consistently calculates accurately, including use of advanced methods of numeric analysis or representation. |
| Solution method is inappropriate or does not follow a logical sequence.  | Solution method is sometimes inappropriate.  | Solution method is appropriate and follows a logical sequence.  |
|  | Cannot use different methods of calculation and scale. | Has difficulty adapting different methods of calculation and scale. | Works comfortably with multiple methods of calculation and scale. |
| **Representation** | Cannot identify a point or a trend on a graph, table, or diagram  | Accurately identifies a point on a graph, table, or diagram but has difficulty distinguishing trends | Accurately uses a graph, table or diagram to solve problems or predict change  |
| Cannot develop a graph, table or diagram to summarize information. | Places data on a graph, table or diagram but with some error | Incorporates a variety of representational forms appropriately into research and written work |
| **Application** | Demonstrates major misconceptions or poor interpretation of quantitative information  | Demonstrates some understanding of relevant concepts without significant error | Critically analyzes reported quantitative information and can identify limitations or bias where appropriate. |
| Cannot support an argument with quantitative evidence or justification | Uses evidence and justification sometimes inappropriately to support arguments and analyses. | Strategy or explanation is fully supported, justified and represented by argument and evidence  |
|  | Has difficulty using quantitative information in construction, production or design. | Uses some quantitative information in construction, production or design. | Uses quantitative information successfully as a tool in construction, production or design.  |