

Mathematical & Quantitative Reasoning Rubric

Competency	Highly proficient	Proficient	Partly proficient	Minimally proficient
<p>Interpretation Ability to obtain information presented in mathematical forms (including equations, graphs, diagrams, tables)</p>	Extracts accurate information presented in mathematical forms and answers are fully supported.	Extracts mostly accurate information presented in mathematical forms and the answers are almost completely supported.	Extracts somewhat accurate information presented in mathematical forms and the answers are partially supported.	Attempts to extract information presented in mathematical forms, but draws incorrect conclusions. Answers are not supported.
<p>Representation Ability to convert relevant information into various mathematical forms (including equations, graphs, diagrams, tables)</p>	Skillfully converts relevant information into an insightful mathematical form in a logical and clear way.	Competently converts relevant information into an appropriate and desired mathematical form. The procedure is mostly logical and clear.	Completes conversion of information but resulting mathematical form is only partially appropriate or correct. There are minor mistakes in logic and clarity.	Partially completes conversion of information and the resulting mathematical portrayal is inappropriate or incorrect. There are major mistakes in logic and clarity.
<p>Calculation Ability to carry out numerical or symbolic computations to solve various mathematical problems</p>	Calculations attempted are essentially all successful and entirely comprehensive to solve the problem.	Calculations attempted are mostly successful and sufficiently comprehensive to solve the problem.	Calculations attempted are either unsuccessful or represent only a portion of the calculations required to comprehensively solve the problem.	Calculations are attempted but are both unsuccessful and are not comprehensive.