Category: Reason Quantitatively

Statement of the outcome: Use quantitative information or analyze data within context to arrive at meaningful results.

What this means:

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"Quantitative Information" could be summary statistics, values with units, or formulas describing relationships between concepts using numbers, rates, ratios, or proportions.

"Data" could be raw data in list, tabular, or graphical format.

"Context" could be any example, real or artificially constructed, that models the relationships between relevant concepts that could be found in a discipline, job environment, or everyday life.

"Meaningful" means reasonable or useful.

"Results" could be a conclusion, decision, solution, inference, or interpretation.

GenEd Outcome Rubric					
Reason Quantitatively	Level 0: Dropped	Level 0: No Evidence	Level 1: Emerging	Level 2: Developing	Level 3: Mastery
Use quantitative information or analyze data within context to arrive at meaningful results	**Student dropped the class before assessment was completed**	**Assignment not submitted**	**Does not meet expectations for proficiency in demonstrating this outcome.** Has major errors, omissions, or inappropriate expressions	**Meets minimal expectations for proficiency in demonstrating this outcome.** Has minor errors, omissions, or inappropriate expressions	**Shows proficiency** in demonstrating the outcome

Some examples acceptable for an "M" in this category:

Division	Example
Business & Technology	• Use numbers to perform accounting, create business reports and analysis • Draw accurate conclusions from tables or graphs; approximate answers to problems through estimations; Use ratio reasoning to interpret physical relations.
Arts & Letters	• Solve logic problems in philosophy; describe musical composition theory numerically; read music, apply geometric principles to art. • Interpret data and graphs to describe in writing and oral presentations.
Health & Wellness	• Reach decisions or draw conclusions using a calculated BMI, target heart rate, caloric content of food. • Interpret charts on exercise equipment to choose the right setting. Calculate BMI, target heart rate zone, caloric content of food.
Science & Math	• Use numbers to solve and interpret applied mathematical problems; draw accurate conclusions from tables or graphs. • Use mathematical concepts to solve applied problems.

Social Sciences	- Draw accurate conclusions from tables or graphs; approximate answers to problems through estimations; Use ratio reasoning to interpret physical relations. - Draw accurate conclusions from tables or graphs, solve problems in economics based upon numerical information.