

QUANTITATIVE SKILLS RUBRIC

| | 4 - EXEMPLARY | 3 - PROFICIENT | 2 - EMERGING | 1 - NOVICE |
|---------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------|
| Demonstrates basic arithmetic skills | Performs basic arithmetic operations with 100% accuracy | Performs most arithmetic operations correctly with minor mistakes | Performs some arithmetic operations correctly but cannot complete the problem | Cannot perform basic arithmetic skills |
| Uses correct processes and models to solve problems | Understands the problem, analyzes information, translates into a solvable format, correctly solves the problem and accurately translates the results | Understands the problem, translates information into a solvable format, and solves the problem. May have minor arithmetic or translation errors | Understands the basics of the problem, but cannot translate information into a format that leads to a solution | Unable to begin the problem |
| Uses quantitative language in oral and written communication | Appropriately uses advanced quantitative language in all oral and written work | Appropriately uses basic and some advanced quantitative language in oral and written communication | Appropriately uses quantitative language at a basic level in oral and written communication | Cannot use appropriate quantitative language |
| Applies quantitative concepts to real-world situations | Understands the problem, identifies relevant data, and selects an appropriate model Can obtain and accurately describe results and draw inferences | Understands the problem, identifies relevant data, selects an appropriate model, but cannot consistently obtain and describe results | Understands basic concepts and can identify relevant data, but cannot select an appropriate model | Unable to begin the problem |
| Creates and/or interprets graphs, tables, and diagrams | Can accurately read, interpret, and create graphs, tables or diagrams and can use them to solve problems or predict change | Can accurately read, interpret, and create graphs, tables, or diagrams | Can accurately read and interpret graphs, tables, or diagrams | Cannot provide any information about the graph |