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| **LG #** | **L105** | **Standards:** | **F-IF.1.1, F-IF.1.2, N-Q.1.1, N-Q.1.2, N-Q.1.3** |
| **4.0** | **In addition to Score 3.0, in-depth inferences and applications that go beyond instruction to the standard.**  **The student will be able to:**   * Determine the constraints necessary to convert a basic function to a one-to-one function   **No major errors or omissions regarding the score 4.0 content.** | | |
| **3.5** | In addition to 3.0, in-depth inferences and applications with partial success. | | |
| **3.0** | **Students will be able to understand the concept of a function and use function notation.**  **The student will be able to:**   * Understand that a function from one set (called the domain) to another set (called the range) assigns to each element of the domain exactly one element of the range. (F-IF.1.1) * Interpret statements that use function notation in terms of a context. (F-IF.1.2) * Choose and interpret units consistently in formulas .(N-Q.1.1) * Choose and interpret the scale and the origin in graphs and data displays.(N-Q.1.1) * Choose a level of accuracy appropriate to limitations on measurement when reporting quantities. (N-Q.1.3)   **No major errors or omissions regarding the score 3.0 content (simple or complex).** | | |
| **2.5** | No major errors or omissions regarding 2.0 content and partial knowledge of 3.0 content. | | |
| **2.0** | **The student recognizes and describes specific terminology such as:**   |  |  |  | | --- | --- | --- | | * Recursive rule | * Range | * Sequence | | * Function | * Input | * Term | | * Function notation | * Output | * Significant Digit | | * Domain | * Explicit rule | * Precision |   **The student will be able to:**   * If f is a function and x is an element of its domain, then f(x) denotes the output of f corresponding to the input x. The graph of f is the graph of the equation y = f(x).   (F-IF.1.1)   * Use function notation and evaluate functions for inputs in their domains.(F-IF.1.1) * Use units as a way to understand problems and to guide the solution of multi-step problems. (N-Q.1.1) * Define appropriate quantities for the purpose of descriptive modeling. (N-Q.1.2) | | |
| **1.5** | Partial knowledge of the score 2.0 content, but major errors or omissions regarding score 3.0 content. | | |
| **1.0** | With partial understanding of some of the simpler details and processes and some of the more complex ideas and processes. | | |
| **0.5** | With help, a partial understanding of some of the simpler details and processes and some of the more complex ideas and processes. | | |
| **0.0** | Even with help, no understanding or skill is demonstrated | | |