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| **LG #** | **L203** | **Standards:** | F-LE.1.1, F-LE.1.2, F-LE.1.3, F-LE.2.5 |
| **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:**   * Construct both linear and exponential functions given real world situations.   **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 construct and compare linear, quadratic and exponential models and interpret parameters in context.**  **The student will be able to:**   * Prove that linear functions grow by equal differences over equal intervals.(F-LE.1.1a) * Prove that exponential functions grow by equal factors over equal intervals.(F-LE.1.1a) * Construct linear and exponential functions, including arithmetic and geometric sequences, given a graph, description of a relationship and two ordered pairs. (F-LE.1.2) * Observe using graphs and tables that a quantity increasing exponentially eventually exceeds a quantity increasing linearly, quadratically, or (more generally) as a polynomial function. (F-LE.1.3) * Interpret the parameters in a linear or exponential function in terms of a context.   (F-LE.2.5)  **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:**   |  |  |  | | --- | --- | --- | | * Linear | * Decay | * Ordered Pair | | * Exponential | * Growth | * Parameter | | * Rate of change | * Quadratic |  |   **The student will be able to:**   * Distinguish between situations that can be modeled with linear functions and with exponential functions. (F-LE.1.1) * Recognize situations in which one quantity changes at a constant rate per unit interval relative to another. (F-LE.1.1b) * Recognize situations in which a quantity grows or decays by a constant rate per unit interval relative to another. (F-LE.1.1c) | | |
| **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 | | |