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| **LG #** | **L206** | **Standards:** | A-SSE.2.4 |
| **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:*** Derive the sum of infinite geometric series.
* Create a real world situation that would utilize the formula for the sum of a finite geometric series.

**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 derive the formula for the sum of a finite geometric series (when the common ratio is not 1), and use the formula to solve problems.****The student will be able to:*** Derive the formula for the sum of a finite geometric series (common ratio is not 1).

(A-SSE.2.4)* Use the formula to solve problems, such as calculating mortgage payments.

(A-SSE.2.4)**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:**

|  |  |  |
| --- | --- | --- |
| * Sum
 | * Derive
 | * Ratio
 |
| * Geometric Series
 | * Finite
 | * Common Ratio
 |

**The student will be able to:*** Use the sum formula for a finite geometric series. (A-SSE.2.4)
* Find the common ratio. (A-SSE.2.4)
 |
| **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 |