

Numeracy Assessment Rubric

Podcast Task

Final Score Not Yet Proficient Proficient Extending

School GSS DTSS SSS

The task: Planning a podcast episode - inviting guests, selling advertising time, and selecting music.

Aspect	Proficiency Descriptor	Task Specific Considerations
Interpret	Makes relevant connections to fully understand the real-world problem in context; Extracts relevant information from the presented problem and other external resources as required to solve the problem; and Identifies relevant explicit parameters and limitations needed to solve the problem.	Selects appropriate genre of music, given their chosen target audience. Connects to media literacy when explaining factors taken into consideration when making up the schedule.
Apply	Applies the mathematical understanding needed to translate an unfamiliar scenario into a mathematical problem; Clearly represents the mathematical problem by choosing an appropriate model(s); and Develops logical and organized plan that applies appropriate mathematical tools and/or strategies (e.g. using a calculator, picture, graph, equation).	Meets episode requirements (60 – 90 mins, at least 4 mins ads, at least 24 mins music, no guest > 15 mins, and at least \$40 in ad revenue). Shows appropriate and accurate model of time distribution.
Solve	Estimates reasonably within context and the parameters of the situation using benchmarks; Solves the mathematical problem using effective strategies as needed; and Verifies the accuracy of the results and/or solution using reasonable estimates and other familiar strategies and identifies factors that could affect the accuracy of the results.	Correctly calculates how much money is leftover; shows work. Arithmetic on planning sheet is correct.
Analyze	Reflects on the validity (accuracy in context) of their solution within the context of the problem; Evaluates the benefits and limitations of alternative approaches; and Revises approach using the benefits and limitations of alternative approaches.	Articulates potential elements not included in the plan (ie. land acknowledgement, host monologue, etc)
Communicate	Effectively presents full process and solution using appropriate presentations (e.g. bulleted explanation, equation, graph, model, maps, tables, arrays, etc.); Accurately explains the approach used, identifying limitations and assumptions of the approach; and Presents a logical argument and justifies their decisions and assumptions.	Articulates a logical/personal reason for selecting an organization to donate to. Rough draft schedule is accurate and organized. Articulates logical and relevant factors taken into consideration in making the rough draft schedule.
Common Errors	<ul style="list-style-type: none"> <input type="checkbox"/> Arithmetic errors <input type="checkbox"/> Strategy/steps not show in calculations <input type="checkbox"/> Incorrect operations used in calculations <input type="checkbox"/> Final answer not clearly stated <input type="checkbox"/> Error in rounding <input type="checkbox"/> Missing or incorrect units of measure (ie. g, kg, \$, etc) <input type="checkbox"/> Charts missing labels 	

In order to achieve a result of PROFICIENT as an overall score, student must score proficient on at least three of the five aspects, of which Communicate must be one.

In order to achieve a result of EXTENDING as an overall score, student must demonstrate exceptional performance under “communicate” and score proficient on all five aspects.