

Coherence and Alignment Among Science Curriculum, Instruction, and Assessment (CASCIA) Project

Grade 8 Unit 4: Providing Solutions to Problems Using Simple Wave Properties

Task 3 Prompt 1 Scored and Annotated Anchor Set

May 2025

Grade 8 Unit 4: Providing Solutions to Problems Using Simple Wave Properties, Task 3 Prompt 1 Scored and Annotated Anchor Set was developed with funding from the U.S. Department of Education under the Competitive Grants for State Assessments Program CFDA 84.368A. The contents of this paper do not represent the policy of the U.S. Department of Education, and no assumption of endorsement by the Federal government should be made.

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CASCIA Grade 8 EOU Assessment 4 Task 3: Sounds of Silence Prompt 1 Score Point 2

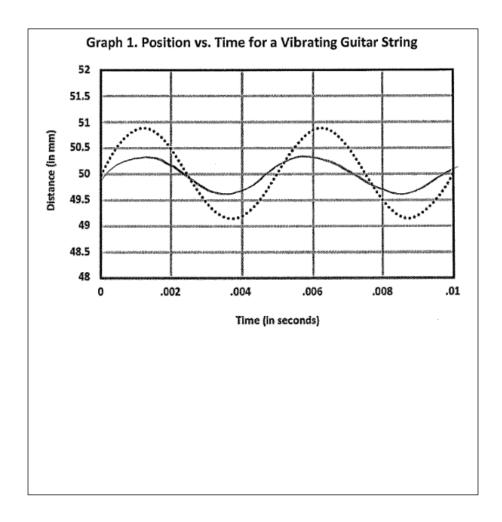
Prompt 1 Rubric

Prompt	Score Point 0	Score Point 1	Score Point 2	Score Point 3	Score Point 4
Prompt 1	No aspect of the response is correct	Response includes one (1) of the two (2) aspects	Response includes the following aspects: Part A New sound wave with a decreased amplitude New sound wave with the same wavelength	NA	NA

Score Point 2 (2/2 aspects met)

Part A

- Includes new sound wave with a decreased amplitude.
- Includes new sound wave with the same wavelength (i.e., the answer does try to cross the line so that the wavelength is the same).



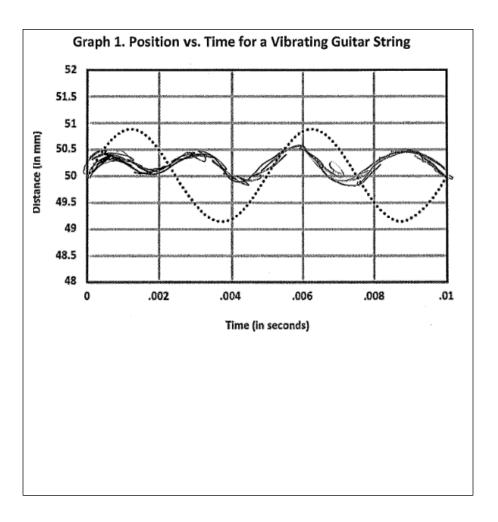
CASCIA Grade 8 EOU Assessment 4 Task 3: Sounds of Silence Prompt 1 Score Point 1

Prompt 1 Rubric

Prompt	Score Point 0	Score Point 1	Score Point 2	Score Point 3	Score Point 4
Prompt 1	No aspect of the response is correct	Response includes one (1) of the two (2) aspects	Response includes the following aspects: Part A New sound wave with a decreased amplitude New sound wave with the same wavelength	NA	NA

Score Point 1 (1/2 aspects met)

- Part A
 - Includes new sound wave with a decreased amplitude.
 - Does **NOT** include new sound wave with the same wavelength.



CASCIA Grade 8 EOU Assessment 4 Task 3: Sounds of Silence Prompt 1 Score Point 0

Prompt 1 Rubric

Prompt	Score Point 0	Score Point 1	Score Point 2	Score Point 3	Score Point 4
Prompt 1	No aspect of the response is correct	Response includes one (1) of the two (2) aspects	Response includes the following aspects: Part A New sound wave with a decreased amplitude New sound wave with the same wavelength	NA	NA

Score Point 0 (0/2 aspects met)

- Part A
 - Does **NOT** include new sound wave with a decreased amplitude.
 - Does **NOT** include new sound wave with the same wavelength.

