



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

Grade 8 Unit 1: Forces and Energy

Task 1 Prompt 2 Part B Scored and Annotated Anchor Set

July 2024

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CASCIA Grade 8 EOU Assessment 1 Task 1: Storing Grocery Carts

Prompt 2 Part B Score Point 3

Prompt 2 Part B Rubric

Prompt	Score Point 0	Score Point 1	Score Point 2	Score Point 3	Score Point 4
Prompt 2 Part B.	No aspect of the response is correct	Response includes one (1) of the three (3) key aspects	Response includes two (2) of the three (3) key aspects	Response includes the following key aspects: - Explains that Solution 2 does meet the budget constraint - Explains that Solution 2 does meet the time requirements - Explains that Solution 2 will reduce the damage to the wall	NA

Score Point 3 (3/3 aspects met)

- Part B
 - Explains that Solution 2 does meet the budget constraint.
 - Explains that Solution 2 does meet the time requirements.
 - Explains that Solution 2 will reduce the damage to the wall.

Part B.

Evaluate how well Potential Design Solution #2 meets each of the three requirements. If any requirements are not met, explain why they are not met. Use the information in **Table 1** as evidence to support your evaluation.

Potential Design Solution #2:

Purchase and install wall-mounted, vinyl bumpers.

The wall-mounted, vinyl bumpers doesn't exceed \$4,000 and is \$3,242. So you be saving more money than the other design that costs \$3,900. You will get the job done in 3 weeks so you will deliver before the deadline and faster than the other design. This design will also reduce damage to the walls.

CASCIA Grade 8 EOU Assessment 1 Task 1: Storing Grocery Carts

Prompt 2 Part B Score Point 2

Prompt 2 Part B Rubric

Prompt	Score Point 0	Score Point 1	Score Point 2	Score Point 3	Score Point 4
Prompt 2 Part B.	No aspect of the response is correct	Response includes one (1) of the three (3) key aspects	Response includes two (2) of the three (3) key aspects	Response includes the following key aspects: - Explains that Solution 2 does meet the budget constraint - Explains that Solution 2 does meet the time requirements - Explains that Solution 2 will reduce the damage to the wall	NA

Score Point 2 (2/3 aspects met)

- Part B
 - Explains that Solution 2 does meet the budget constraint.
 - Explains that Solution 2 does meet the time requirements.
 - Does **NOT** explain that Solution 2 will reduce the damage to the wall (i.e., The student equates installation to damage to the wall.).

Part B.

Evaluate how well Potential Design Solution #2 meets each of the three requirements. If any requirements are not met, explain why they are not met. Use the information in Table 1 as evidence to support your evaluation.

Potential Design Solution #2:

Purchase and install wall-mounted, vinyl bumpers.

It is very cheap at only being \$3,242.00 with a budget of \$4,000.00. It does get completed in 3 weeks which is early. It does not reduce damage to the wall because you have to build into the wall to install them.

CASCIA Grade 8 EOU Assessment 1 Task 1: Storing Grocery Carts

Prompt 2 Part B Score Point 1

Prompt 2 Part B Rubric

Prompt	Score Point 0	Score Point 1	Score Point 2	Score Point 3	Score Point 4
Prompt 2 Part B.	No aspect of the response is correct	Response includes one (1) of the three (3) key aspects	Response includes two (2) of the three (3) key aspects	Response includes the following key aspects: - Explains that Solution 2 does meet the budget constraint - Explains that Solution 2 does meet the time requirements - Explains that Solution 2 will reduce the damage to the wall	NA

Score Point 1 (1/3 aspects met)

- Part B
 - Does **NOT** explain that Solution 2 does meet the budget constraint (i.e., The student does not mention the budget.).
 - Does **NOT** explain that Solution 2 does meet the time requirements (i.e., The student does not mention the time.).
 - Explains that Solution 2 will reduce the damage to the wall.

Part B.

Evaluate how well Potential Design Solution #2 meets each of the three requirements. If any requirements are not met, explain why they are not met. Use the information in Table 1 as evidence to support your evaluation.

Potential Design Solution #2:

Purchase and install wall-mounted, vinyl bumpers.

The wall mounted vinyl bumpers are a good solution because it is located inside and protects the walls because its not coming in contact with the wall

CASCIA Grade 8 EOU Assessment 1 Task 1: Storing Grocery Carts

Prompt 2 Part B Score Point 0

Prompt 2 Part B Rubric

Prompt	Score Point 0	Score Point 1	Score Point 2	Score Point 3	Score Point 4
Prompt 2 Part B.	No aspect of the response is correct	Response includes one (1) of the three (3) key aspects	Response includes two (2) of the three (3) key aspects	Response includes the following key aspects: - Explains that Solution 2 does meet the budget constraint - Explains that Solution 2 does meet the time requirements - Explains that Solution 2 will reduce the damage to the wall	NA

Score Point 0 (0/3 aspects met)

- Part B
 - Does **NOT** explain that Solution 2 does meet the budget constraint.
 - Does **NOT** explain that Solution 2 does meet the time requirements.
 - Does **NOT** explain that Solution 2 will reduce the damage to the wall (i.e., The student **DOES** offer support for his answer, but the answer is incorrect.).

Part B.

Evaluate how well Potential Design Solution #2 meets each of the three requirements. If any requirements are not met, explain why they are not met. Use the information in Table 1 as evidence to support your evaluation.

Potential Design Solution #2:

Purchase and install wall-mounted, vinyl bumpers.

The wall-mounted, vinyl bumpers are a bad idea because they are still in the building and have to be on a wall instead of outside.