Timed Extended Construction Response (ECR) Task—Grade 6 December

Name: _____ Date: _____

Trucks are delivering gravel to a construction site.

- Each truck holds 7.5 cubic yards of gravel.
- The weight of 1 cubic yard of gravel is 1.48 tons.
- The gravel will be placed in containers that each hold 3.7 tons of gravel.

PART A

How many tons of gravel will fit in one truck? Show your work or explain your answer.

 Enter your answer and explanation in the space provided.

PART B

How many containers are needed to hold all of the gravel from 1 truck? Show your work or explain your answer.

 Enter your answer and explanation in the space provided.

ANSWER KEY

Rubric Part A	
Score	**Description**

2	Student response includes the following components:
	
	• Reasoning component = 1 point
	  ○ The student shows work or properly explains how to find the correct answer.
	• Computation component = 1 point
	  ○ Correct answer, 7.5 x 1.48 = 11.1 tons

1	Student response includes 1 of the above elements.
0	Student response is incorrect or irrelevant.

Rubric Part B	
Score	**Description**

2	Student response includes the following components:
	
	• Reasoning component = 1 point
	  ○ The student shows work or properly explains how to find the correct answer.
	• Computation component = 1 point
	  ○ Correct answer, 3 containers.
	
	Sample Student Response:
	"The total number of containers needed is 3. This was solved doing the computation 7.5 x 1.48 = 11.1. 11.1 ÷ 3.7 = 3."
	
	OR other valid explanation.

1	Student response includes 1 of the above elements.
0	Student response is incorrect or irrelevant.

Glow	Grow