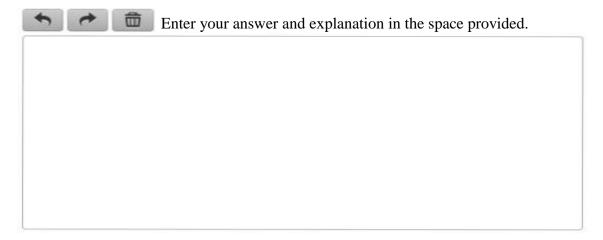
Name Date	Name:	Date:
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Trucks are delivering gravel to a construction site.

- o 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.



## **PART B**

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

<b>♦ ♦ •</b>	Enter your answer and explanation in the space provided.

## ANSWER KEY

Rubric Part A		
Score	Description	
2	Student response includes the following components:	
	<ul> <li>Reasoning component = 1 point         <ul> <li>The student shows work or properly explains how to find the correct answer.</li> </ul> </li> <li>Computation component = 1 point         <ul> <li>Correct answer, 7.5 x 1.48 = 11.1 tons</li> </ul> </li> </ul>	
1	Student response includes 1 of the above elements.	
0	Student response is incorrect or irrelevant.	
Rubric Part B		
Score	Description	
2	<ul> <li>Reasoning component = 1 point <ul> <li>The student shows work or properly explains how to find the correct answer.</li> </ul> </li> <li>Computation component = 1 point <ul> <li>Correct answer, 3 containers.</li> </ul> </li> <li>Sample Student Response: <ul> <li>"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."</li> </ul> </li> <li>OR other valid explanation.</li> </ul>	
1	Student response includes 1 of the above elements.	
0	Student response is incorrect or irrelevant.	

Glow	Grow