

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	<p>Student response includes the following components:</p> <ul style="list-style-type: none"> Reasoning component = 1 point <ul style="list-style-type: none"> The student shows work or properly explains how to find the correct answer. Computation component = 1 point <ul style="list-style-type: none"> Correct answer, $7.5 \times 1.48 = 11.1$ tons
1	Student response includes 1 of the above elements.
0	Student response is incorrect or irrelevant.
Rubric Part B	
Score	Description
2	<p>Student response includes the following components:</p> <ul style="list-style-type: none"> Reasoning component = 1 point <ul style="list-style-type: none"> The student shows work or properly explains how to find the correct answer. Computation component = 1 point <ul style="list-style-type: none"> Correct answer, 3 containers. <p>Sample Student Response: “The total number of containers needed is 3. This was solved doing the computation $7.5 \times 1.48 = 11.1$. $11.1 \div 3.7 = 3$.”</p> <p>OR other valid explanation.</p>
1	Student response includes 1 of the above elements.
0	Student response is incorrect or irrelevant.

Glow	Grow