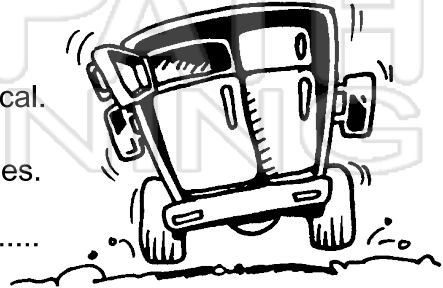Name _____ Class _____ Date _____

Pythagoras' Delivery Service is flourishing. He has worked out that exactly 200 deliveries have been made in the last 4 days. His delivery truck container has the following dimensions:

Length = 5 m, Height = 4 m, Width = 2.5 m.

Volume = L x W x H

1. What is the capacity of the storage area? ....

2. On Monday he delivered 20 deluxe fridges. There was no room left to fit in anything else and the fridges were identical. Based on what you know about the capacity of Pythagoras' truck, calculate the volume of one of the fridges.

   ....

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Challenge: Taxi Trick?

Pythagoras, Galileo and Archimedes take a taxi to the city. When they reach the Town Hall the meter reads $25. Each man hands over a $10 bill. The driver gives back five $1 coins as change. Each man takes one of the dollar coins and they leave the remaining two $1 coins for the driver as a tip.

Each man has spent $9 making a total of $27 spent between the three. The driver has two dollars bringing the total up to $29. Explain what happened to the other dollar.
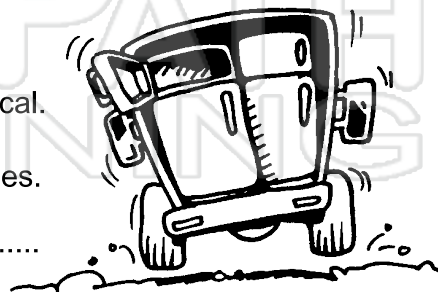
Name _____ Class _____ Date _____

Pythagoras' Delivery Service is flourishing. He has worked out that exactly 200 deliveries have been made in the last 4 days. His delivery truck container has the following dimensions:

Length = 5 m, Height = 4 m, Width = 2.5 m.

Volume = L x W x H

1. What is the capacity of the storage area? 50 cubic meters or 50 m³

2. On Monday he delivered 20 deluxe fridges. There was no room left to fit in anything else and the fridges were identical. Based on what you know about the capacity of Pythagoras' truck, calculate the volume of one of the fridges.

   2.5 m³

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trunks would be 43.47 m³

Challenge: Taxi Trick? Nothing happened to the other dollar. The driver has $25 plus a two dollar tip making a total of $27.

Pythagoras, Galileo and Archimedes take a taxi to the city. When they reach the Town Hall the meter reads $25. Each man hands over a $10 bill. The driver gives back five $1 coins as change. Each man takes one of the dollar coins and they leave the remaining two $1 coins for the driver as a tip.

The three men each have a dollar: $27 + $3 = $30

Each man has spent $9 making a total of $27 spent between the three. The driver has two dollars bringing the total up to $29. Explain what happened to the other dollar.