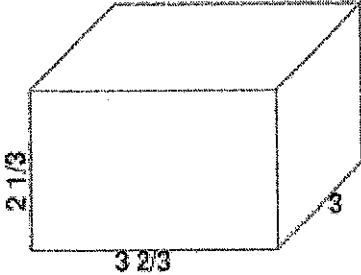



Volume/Surface Area

Solve.

1 a.

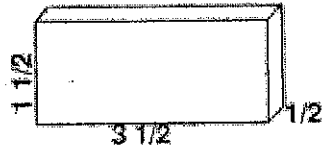



1. This is a unit fraction cube: 

How many unit fraction cubes fit into the solid above?

2. Find the volume of the solid.

1 b.

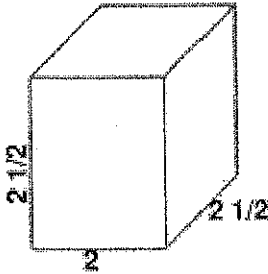



1. This is a unit fraction cube: 

How many unit fraction cubes fit into the solid above?

2. Find the volume of the solid.

2 a.

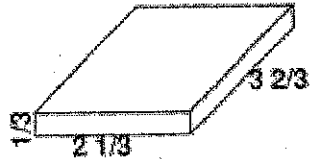



1. This is a unit fraction cube: 

How many unit fraction cubes fit into the solid above?

2. Find the volume of the solid.

2 b.

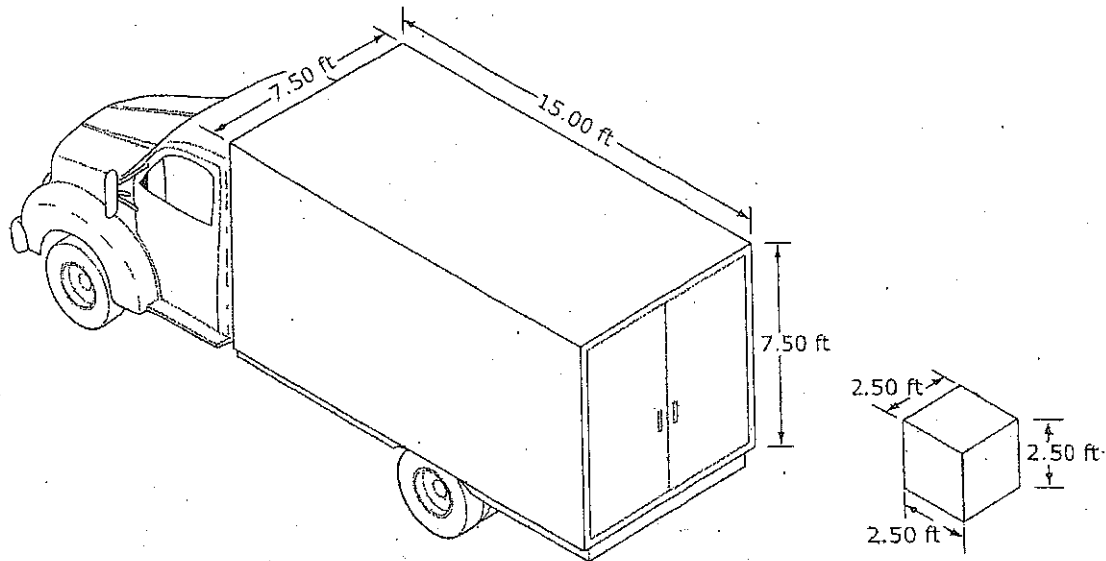


1. This is a unit fraction cube: 

How many unit fraction cubes fit into the solid above?

2. Find the volume of the solid.

Cube-shaped boxes will be loaded into the cargo hold of a truck. The cargo hold of the truck is in the shape of a rectangular prism. The edges of each box measure 2.50 feet and the dimensions of the cargo hold are 7.50 feet by 15.00 feet by 7.50 feet, as shown below.



What is the volume, in cubic feet, of each box?

Determine the number of boxes that will completely fill the cargo hold of the truck. Use words and/or numbers to show how you determined your answer.