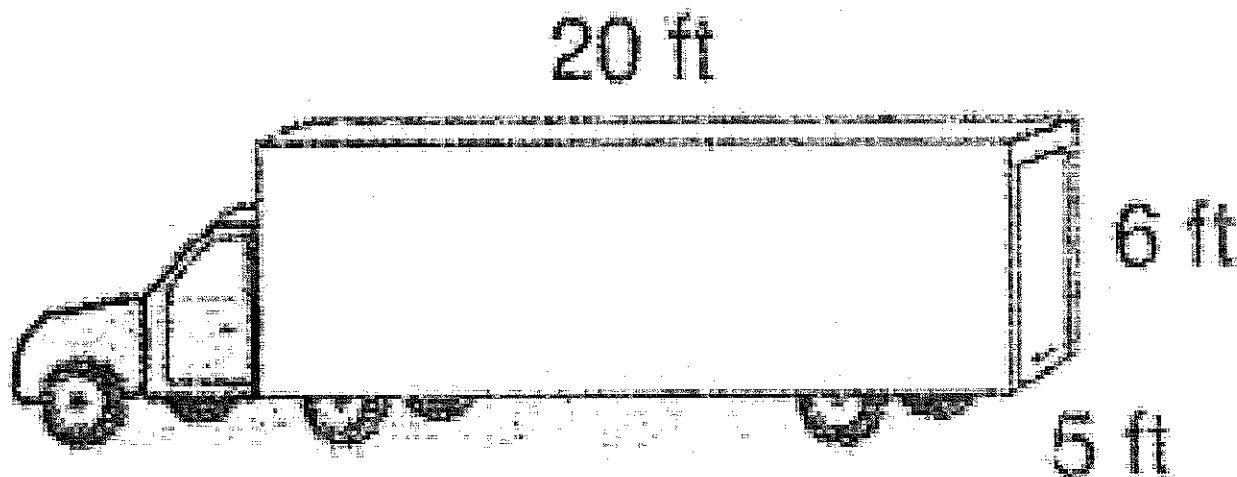


Moving Truck Task

NAME _____

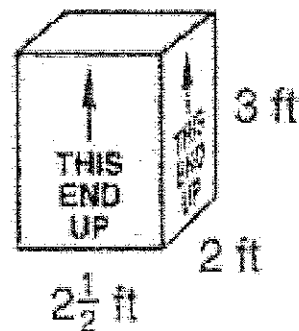
Items that we see on store shelves are usually shipped to stores in trucks. The amount of merchandise a truck can carry depends upon the capacity of the truck's trailer and the weight of the items being shipped.

Suppose the storage area of a delivery truck is shaped like a box that is 5 feet wide, 6 feet high, and 20 feet long on the inside.



1. What is the volume (capacity) of the storage area in cubic feet?

Now suppose the truck is to be loaded with boxes with the dimensions shown at the right. The first boxes are stacked against the back wall (which is 5 feet wide and 6 feet high).



2. How many of these boxes can be stacked against the back wall?
Draw a diagram.

3. If the same size boxes continue to be stacked in the truck in the same manner, then how many boxes will fit in the truck? Explain your answer.