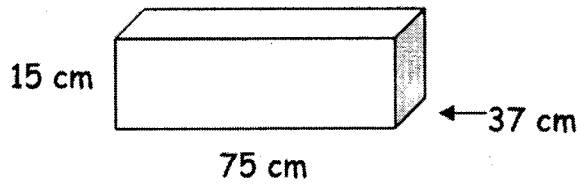
Name:_____ Date:_____ Period:_____

PS _____ Comm _____ (G/M 8-1)

Taping Toy Packages

You are working for a toy factory and it is your responsibility to tape and mail **125 cartons** of a favorite toy out to one of the most popular toy stores. Each carton has the following dimensions:

Length = 75 cm
Width = 37 cm
Height = 15 cm



Each carton is to be taped **twice around the long way**, then **two strips across the top** (the short way) and **down each side.**

a) Show mathematically how many rolls of tape you will need to purchase in order to tape all 125 cartons.

b) You are able to purchase a roll of tape that is **21.5 meters long** for **$1.79**. What will be the total cost of the tape you need to purchase including a **7% sales tax**? Show all your work. (Don't forget to convert your meters to centimeters)