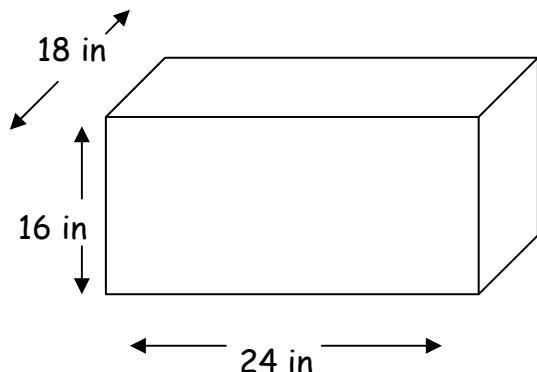


**Packing Tape**

Your family is moving to a new house, and you are helping with packing your belongings. You and your family have decided that you will have 75 boxes to move; your mother has asked you to buy tape to close the boxes.

When you ask your mother how much tape to buy, she answers: "The boxes are 24" long, 18" wide, and 16" high. The boxes should be taped one time all the way around lengthwise. To make sure the boxes are secure, you will also need to put three strips of tape across the top."

***How much tape will you need to do the job?***



At the store, you find the following prices for tape:

- 50 yards @ \$.99 per roll
- 100 yards @\$1.89 per roll
- 200 yards @ \$3.29 per roll

***How many rolls of each size will you buy, and what will be the total cost?***

**Explain how you made your decision.**

How you will be graded:

**PUNCTUALITY**

\_\_\_\_\_ Assignment turned in on the due date. [10 points]

**APPROACH:**

- \_\_\_\_\_ Random and disorganized; no systematic approach. [10 pts]
- \_\_\_\_\_ Some system apparent in the approach; difficult to follow, not well presented. [20 pts]
- \_\_\_\_\_ Highly systematic and organized approach, neatly and clearly presented. [30 pts]

**MATHEMATICAL ACCURACY:**

- \_\_\_\_\_ Many computational errors, leading to erroneous conclusions. [10 pts]
- \_\_\_\_\_ Some computational errors, but allowing largely for accurate conclusions. [20 pts]
- \_\_\_\_\_ Appropriate operation(s) selected, no mathematical errors, accurate answers with correct units. [30 pts]

**EXPLANATION:**

- \_\_\_\_\_ Little or no explanation, or impossible to follow. [10 pts]
- \_\_\_\_\_ Explanation attempted, difficult to understand, thinking process not always easy to follow. [20 pts]
- \_\_\_\_\_ Explanation very clear, and thinking process easy to follow. [30 pts]