Task Title: Trim a Window

Learner Name:
Date Started: **Date Completed:**   **Successful Completion:**   Yes___   No___
Goal Path: Employment **√**   Apprenticeship **√**   Secondary School___   Post Secondary___   Independence___
Task Description: This task involves calculating the material and the cost required to trim a window.

Competency:	**Task Group(s):**
A: Find and Use Information	A2: Interpret documents
B: Communicate Ideas and Information	B3: Complete and create documents
C: Understand and Use Numbers	C1: Manage money
	C3: Use measures

Level Indicators: A2.2:   Interpret simple documents to locate and connect information   B3.2a: Use layout to determine where to make entries in simple documents   C1.2:   Make low-level inferences to calculate costs and expenses that may include rates such as taxes and discounts   C3.2:   Use measures to make one-step calculations
Performance Descriptors: see chart on last page
Materials Required: • Task sets and documents   • Pencil/pen   • The final question requires the estimation of the total cost of trimming a window which includes the HST. For those learners who have not covered calculations of percentages, this final step could be excluded.

A carpenter installs doors and windows. This task involves calculating the material and the cost required to trim a window.

Task 1:   Calculate the perimeter of the window.

Task 2:   What length of trim is required for the window?
   (Each side needs an extra **four** inches for the trim)

Task 3:   How long is the trim in feet?

Task 4:   The customer has chosen a high-grade oak trim at a cost of $5.95 per foot. Determine what the cost will be to trim this window. After you have determined this cost, add on 13% for HST.

Task 5:   Installation fee is $4.00 per foot of trim. What will the total installation fee be? Complete the job estimate form. The customer's name is Paul Desroche.

Here is a diagram of the window with dimensions.

39 inches
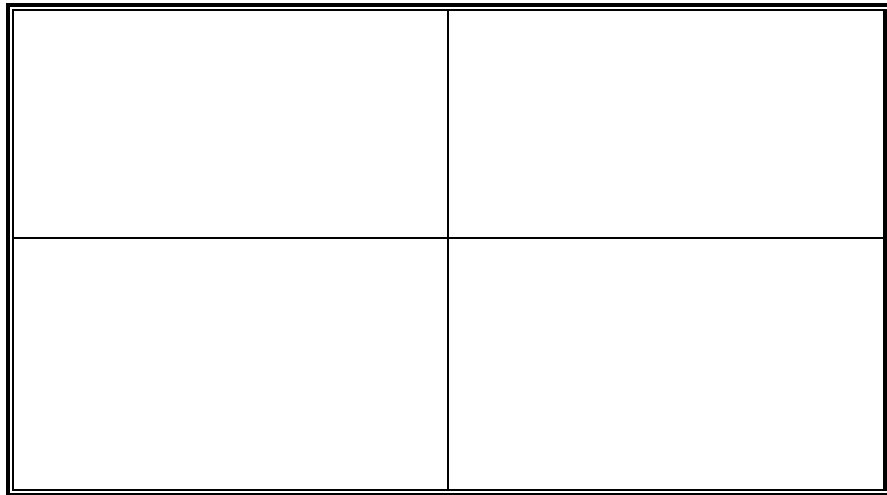
25 inches

Job Estimate

PMD Door and Window Service

Customer's name: _____

Date: _____

Material	Amount	Unit Cost	Total
Labour			
		Subtotal	
		HST (13%)	
		Total	

Answers

Task 1:   Calculate the perimeter of the window.

39+39+25+25 = **128 inches**

Task 2:   What length of trim is required for the window? (Each side needs an extra **four** inches for the trim)

Perimeter plus 4 inches trim on each side: 128+(4x4)=**144 inches**

Task 3:   How long is the trim in feet?

144 inches divided by 12 inches per foot = **12 feet**

Task 4:   The customer has chosen a high-grade oak trim at a cost of $5.95 per foot. Determine what the cost will be to trim this window. After you have determined this cost, add on 13% for HST.

12 x 5.95 = **$71.40**

71.40 x 13% = $9.28

71.40 + 9.48 = **$80.68**

Task 5:   Installation fee is $4.00 per foot of trim. What will the total installation fee be? Complete the job estimate form. The customer's name is Paul Desroche.

<table>
<tr><td colspan="4" align="center">Job Estimate</td></tr>
<tr><td colspan="4">PMD Door and Window Service
Customer's name: Paul Desroche

Date: Wednesday, March 17, 2010</td></tr>
<tr><td>Material</td><td>Amount</td><td>Unit Cost</td><td>Total</td></tr>
<tr><td>Oak trim</td><td>12 feet</td><td>$5.95</td><td>$71.40</td></tr>
<tr><td>Labour</td><td>144 inches = 12 feet</td><td>$4.00/foot</td><td>$48.00</td></tr>
<tr><td></td><td></td><td>Subtotal</td><td>$119.40</td></tr>
<tr><td></td><td></td><td></td><td></td></tr>
<tr><td></td><td></td><td>HST (13%)</td><td>$15.52</td></tr>
<tr><td></td><td></td><td>Total</td><td>$134.92</td></tr>
</table>

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	Performance Descriptors	Needs Work	Completes task with support from practitioner	Completes task independently
A2.2	• uses layout to locate information			
	• makes connections between parts of documents			
	• makes low-level inferences			
B3.2a	• uses layout to determine where to make entries			
	• begins to make some inferences to decide what information is needed, where and how to enter the information			
	• makes entries using a limited range of vocabulary			
	• follows instructions on documents			
C1.2	• calculates using numbers expressed as whole numbers, fractions, decimals, percentages and integers			
	• calculates percentages			
	• interprets and applies rates (e.g. $/kg, $/1)			
	• chooses and performs required operation(s); may make inferences to identify required operation(s)			
	• selects appropriate steps to reach solutions			
	• represents costs and rates using monetary symbols, decimals and percentages			
	• interprets, represents and converts amounts using whole numbers, decimals, percentages, ratios and simple, common fractions (e.g. ½, ¼)			
	• uses strategies to check accuracy (e.g. estimating, using a calculator, repeating a calculation, using the reverse operation)			
C3.2	• calculates using numbers expressed as whole numbers, fractions, decimals, percentages and integers			
	• makes estimates			

	• understands and uses ratio and proportion			
	• interprets and represents area and volume using symbols and abbreviations (e.g. m^3)			
	• converts units of measurement within the same system and between systems			
	• understands and uses formulas for finding the perimeter, area and volume of simple, common shapes			
	• chooses and performs required operation(s); may make inferences to identify required operation(s)			
	• selects appropriate steps to solutions			
	• interprets, represents and converts measures using whole numbers, decimals, percentages, ratios and simple, common fractions (e.g. ½, ¼)			
	• uses strategies to check accuracy (e.g. estimating, using a calculator, repeating a calculation, using the reverse operation)			

This task: was successfully completed___   needs to be tried again___

Learner Comments

_____   _____

Instructor (print)   **Learner Signature**