

Task Title: Trim A Window

# OALCF Cover Sheet – Practitioner Copy

**Learner Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Date Started: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Date Completed: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

|  |  |  |
| --- | --- | --- |
| **Goal Path:** | Employment | Apprenticeship |
| Secondary School | Post Secondary | Independence |

**Successful Completion:**  Yes No

**Task Description:** The learner will calculate the materials and costs required to trim a window.

**Main Competency/Task Group/Level Indicator:**

* Communicate Ideas and Information/Complete and create documents/B3.2a
* Understand and Use Numbers/Manage money/C1.2
* Understand and Use Numbers/Use measures/C3.1

**Materials Required:**

* Pen/pencil and paper and/or digital device
* Calculator or digital device with calculator function

# Learner Information

Carpenters often install doors and windows. This involves calculating how much material will be needed as well as the estimated costs for each job.

Scan the “Window Diagram” and the “Job Estimate for PMD Door and Window Services”.

**Window Diagram**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  |  | 39 inches | |  | | |
|  |  |  |  | | 25 inches | |
|  |  |  | |
|  |  |  | | |  |  |

**Job Estimate**

### PMD Door and Window Services

Customer’s name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

|  |  |  |  |
| --- | --- | --- | --- |
| **Material** | **Amount** | **Unit Cost** | **Total** |
|  |  |  |  |
| Labour (Installation Fee) |  |  |  |
|  |  |  |  |
| Subtotal |  |
|  |  |
| HST (13%) |  |
| Total |  |

# Work Sheet

**Task 1: Calculate the perimeter of the window.**

Answer:

**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Task 2: How much trim is required for the window? Each side needs an extra four inches for the trim.**

Answer:

**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Task 3: The customer has chosen trim that costs $5.95 per foot. Determine the total cost to trim this window. Add 13% for HST.**

Answer:

**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Task 4: An installation fee of $4.00 per foot of trim is added to the job estimate. Complete the job estimate form. The customer’s name is Paul Desroche.**

Answer: No written response required here.

Task completed: Yes: No:

# Answers

**Task 1: Calculate the perimeter of the window.**

Answer: 39+39+25+25 = 128 inches

**Task 2: How much trim is required for the window? Each side needs an extra four inches for the trim.**

Answer: 128+(4x4) = 144 inches

**Task 3: The customer has chosen trim that costs $5.95 per foot. Determine the total cost to trim this window. Add 13% for HST.**

Answer:

144 inches = 12 feet

12 x 5.95 = $71.40

71.40 x 13% = $9.28

71.40 + 9.48 = $80.68

**Task 4: An installation fee of $4.00 per foot of trim is added to the job estimate. Complete the job estimate form. The customer’s name is Paul Desroche.**

Answer: See next page

**Job Estimate**

### PMD Door and Window Services

Customer’s name: Paul Desroche

Date: [Today’s Date]

|  |  |  |  |
| --- | --- | --- | --- |
| **Material** | **Amount** | **Unit Cost** | **Total** |
| Trim | 12 feet | $5.95/foot | $71.40 |
| Labour (Installation Fee) | 12 feet | $4.00/foot | $48.00 |
|  |  |  |  |
| Subtotal | $119.40 |
|  |  |
| HST (13%) | $15.52 |
| **Total** | **$134.92** |

# Performance Descriptors

| Levels | Performance Descriptors | Needs Work | Completes task with support from practitioner | Completes task independently |
| --- | --- | --- | --- | --- |
| 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 |  |  |  |
|  | 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 |  |  |  |
|  | 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 (print):

**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**