

Task-Based Activity: Complete an invoice for fence materials

Laubach Connection: Laubach Way to Reading (LWR) Book 4, Lesson 12

OALCF Link

Relevant Goal Paths

Apprenticeship, Employment, Independence, Postsecondary, Secondary School Credit

Rationale: Learners on the Apprenticeship, Employment, Independence, Postsecondary and Secondary School Credit Paths will need to make calculations with discount rates and measures for a variety of different reasons.

Task-Based Activity Description: The learner will interpret a simple document (invoice) to locate and connect **information(A2.2)**. The learner will calculate costs while using rates and discounts **(C1.2)**. While performing the calculations, the learner will use standard and non-standard measures **(C3.2)**.

Competency, Task Group and Level Indicators

(See Assessment page for performance descriptors)

A: Find and Use Information

A2: Interpret documents

- **A2.2:** Interpret simple documents to locate and connect information

C: Understand and Use Numbers

C1: Manage money

- **C1.2:** Make low-level inferences to calculate costs and expenses that may include rates such as taxes and discounts

C3: Use measures

- **C3.1:** Measure and make simple comparisons and calculations

Materials Required

- Pen or pencil and eraser
- Question sheets

Overview

Activity Introduction

In lesson twelve, Jerry and Bob are having an issue with Bob's dog digging a hole under the fence. They decide to build a stronger fence. This task uses a simple invoice. The learner will read a short scenario. Then, they will make several calculations to complete the invoice for fencing materials.

New words

Determine any new words that you think are being introduced in the activity and review those words with the learner.

Instructions

1. Have the learner fill in their name and the date.
2. Have the learner complete the pre self-assessment.
3. Have the learner complete the task-based activity.
4. After completing the activity, have the learner complete the post self-assessment.
5. After the learner has completed the task-based activity, complete the assessment section and review the results with the learner.

Extension activities

- Have the learner bring in invoices
- Research costs for a variety of different building products

Task-Based Activity: Complete and invoice for fence materials

Learner Name: _____ Date: _____

Pre self-assessment

I need to improve my skills at making calculations with measures and rates:

☐ Yes

☐ No

Activity

Please complete the invoice below by filling in the shaded areas.

You have a customer who wants to buy materials for a fence. You will need to calculate the cost per item and apply a discount where given. Assume the customer pays the account in 30 days or less and receives an additional 8% discount of the final total.

Item Description	No. of Items	Item Unit Cost	Discount	Total cost for Item
Fence posts	348	\$ 3.38	5%	
Fence wire	650m	\$ 2.62/m	10%	
Pliers	4	\$ 25.30	-	
3mm fencing nails	8 kg	\$ 7.98/kg	-	
Gates	6	\$ 45.72	10%	
Heavy-duty hammers	4	\$ 23.26	5%	
Concrete mix	8 bags	\$ 11.99/bag	10%	
			Total	
			less 8%	
			Final amount	

Post self-assessment

I think my skills have improved as a result of completing this activity.

☐ Yes

☐ No

Learner comments:

Assessment

Task-Based Activity: Complete and invoice for fence materials

Learner Name: _____ Date: _____

Practitioner Name: _____

Performance Descriptors	Needs Work	Improving	Excellent
A2.2: Interpret simple documents to locate and connect information <ul style="list-style-type: none">• performs limited searches using one or two search criteria• extracts information from tables and forms• uses layout to locate information• makes connections between parts of documents• makes low-level inferences• begins to identify sources and evaluate information			

C1.2: Make low-level inferences to calculate costs and expenses that may include rates such as taxes and discounts

- 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
- makes simple estimates
- interprets, represents and converts amounts using whole numbers, decimals, percentages, ratios and simple, common fractions (e.g. $\frac{1}{2}$, $\frac{1}{4}$)
- uses strategies to check accuracy (e.g. estimating, using a calculator, repeating a calculation, using the reverse operation)

C3.1: Measure and make simple comparisons and calculations

- adds and subtracts whole number measurements
- recognizes values in number and word format
- understands numerical order
- makes simple estimates
- begins to interpret integers (e.g. temperature, elevation)
- chooses appropriate units (e.g. metres, inches) and non-standard units (e.g. paces, cupfuls, scoops)
- identifies and performs required operation
- interprets and represents measures using whole numbers, decimals and simple, common fractions (e.g. $\frac{1}{2}$, $\frac{1}{4}$)

- interprets and represents measures using symbols and abbreviations (e.g. inches as “, centimeters as cm, pounds as lbs, kilograms as kilos or kg)
- follows apparent steps to reach solutions
- uses strategies to check accuracy (e.g. estimating, using a calculator, repeating a calculation, using the reverse operation)

The learner needs to work on the following:

This task was successfully completed

This task needs to be tried again

Practitioner Comments:

Learner Comments: