



Practitioner submitted task: Prepared for the Project, Teaching to Fish (Build Tasks) Integrating OALCF Task Development within Ontario's Literacy Programs (2014)

OALCF Task Cover Sheet

Task Title: Esteban's Business Trip

Learner Name:	
Date Started:	Date Completed:
Successful Completion: Yes ___ No ___	
Goal Path: Employment <input checked="" type="checkbox"/> Apprenticeship ___ Secondary School <input checked="" type="checkbox"/> Post-Secondary ___ Independence ___	
Task Description: The learner will calculate mileage and fuel costs, as well as interest.	
Competency: A: Find and Use Information C: Understand and Use Numbers	Task Group(s): A2: Interpret documents C1: Manage money C3: Use measures
Level Indicators: A2.2: Interpret simple documents to locate and connect information 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: <ul style="list-style-type: none">• Task set• Pencil and eraser• Spare paper	



Practitioner submitted task: Prepared for the Project, Teaching to Fish (Build Tasks) Integrating OALCF Task Development within Ontario's Literacy Programs (2014)

Task Title: Esteban's Business Trip

When travelling for work employees can file for expenses. Read the math handout which describes Esteban's business trip and look at Esteban's bank account transactions table.

Learner Information and Tasks:

- Task 1:** Esteban has to drive to Toronto for a meeting and when he returned to Niagara Falls, his odometer measured 258 km. Calculate Esteban's total mileage expenses.
- Task 2:** How much fuel did Esteban use during his business trip?
- Task 3:** Esteban used his credit card to pay \$56.25 for the fuel to fill up his car before the business trip. Calculate how much interest he will pay the first month.
- Task 4:** How much would Esteban's credit card bill be by the 4th month, if he made no payments?
- Task 5:** The company Esteban works for deposits his compensation cheques directly into his bank account. He made a payment of \$60.37 to his credit card from his bank account on February 22nd. Fill in the missing payment and balances of his bank statement.



Practitioner submitted task: Prepared for the Project, Teaching to Fish (Build Tasks) Integrating OALCF Task Development within Ontario's Literacy Programs (2014)

Task Title: Esteban's Business Trip

- Esteban lives near Niagara Falls.
- Esteban's employer compensates him for his business expenses, including 49cents/km for his driving distance.
- Esteban's car uses diesel fuel.
- His car's average fuel consumption is 18L/100km.
- Esteban has no money owing on his credit card and has an interest rate of 5.452%/month

Esteban's bank account statement

Date	Description of Transaction	Payment or Withdrawal (-)	✓	Deposit or Interest (+)	✓	Balance
12/20	Credit card payment	135.00	✓			414.80
12/31	Interest			0.59		415.39
1/17	Company deposit			140.14		
1/20	Credit card payment	154.88				
1/31	Interest			0.60		
2/18	Company deposit			54.88		
2/22	Credit card payment					

Copied from McGraw-Hill Ryerson's Mathematics 11 – Workplace and Everyday Life



Practitioner submitted task: Prepared for the Project, Teaching to Fish (Build Tasks) Integrating OALCF Task Development within Ontario's Literacy Programs (2014)

Task Title: Esteban's Business Trip

Answer Key

Task 1: 258 km @ 0.49cents/km
 $258 \times 0.49 = 126.42$
 Esteban's total mileage expenses are **\$126.42**.

Task 2: 18 L/100km
 $18L/100km = x/258km$
 $4644L/km = 100x$
 $4644 / 100 = 100 / 100$
 $X=46.44$
 Esteban used **46.44L** of fuel on his business trip.

Task 3: $\$56.25 \times 0.05452 = \3.07

Task 4: *If the learner came up with a difference answer for Task 4...use it for the first and following calculations.

$\$56.25 + \$3.07 = \$59.32$ month 2

$\$59.32 \times 0.05452 = \3.23

$\$59.32 + \$3.23 = \$62.55$ month 3

$\$62.55 \times 0.05452 = \3.41

$\$62.55 + \$3.41 = \$65.96$ month 4

Task 5:

Date	Description of Transaction	Payment or Withdrawal (-)	√	Deposit or Interest (+)	√	Balance
12/20	Credit card payment	135.00	√			414.80
12/31	Interest			0.59		415.39
1/17	Company deposit			140.14		555.53
1/20	Credit card payment	154.88				400.65
1/31	Interest			0.60		401.25
2/18	Company deposit			54.88		456.13
2/22	Credit card payment	60.37				395.76

Task Title: Esteban's Business Trip

Performance Descriptors		Needs Work	Completes task with support from practitioner	Completes task independently
A2.2	<ul style="list-style-type: none"> performs limited searches using one or two search criteria 			
	<ul style="list-style-type: none"> extracts information from tables and forms 			
	<ul style="list-style-type: none"> uses layout to locate information 			
	<ul style="list-style-type: none"> makes connections between parts of documents 			
	<ul style="list-style-type: none"> makes low-level inferences 			
C1.3	<ul style="list-style-type: none"> calculates percentages 			
	<ul style="list-style-type: none"> interprets and applies rates (e.g. \$/kg, \$/1) 			
	<ul style="list-style-type: none"> chooses and performs required operation(s); may make inferences to identify required operation(s) 			
	<ul style="list-style-type: none"> selects appropriate steps to reach solutions 			
	<ul style="list-style-type: none"> represents costs and rates using monetary symbols, decimals and percentages 			
	<ul style="list-style-type: none"> interprets, represents and converts amounts using whole numbers, decimals, percentages, ratios and simple, common fraction(e.g. $\frac{1}{2}$, $\frac{1}{4}$) 			
	<ul style="list-style-type: none"> uses strategies to check accuracy (e.g. estimating, using a calculator, repeating a calculation, using the reverse operation) 			
C3.2	<ul style="list-style-type: none"> calculates using numbers expressed as whole numbers, fractions, decimals, percentages and integers 			
	<ul style="list-style-type: none"> interprets and applies rates (e.g. km/hr) and ratios (e.g. map scales) 			
	<ul style="list-style-type: none"> chooses and performs required operation(s); may make inferences to identify required operation(s) 			
	<ul style="list-style-type: none"> selects appropriate steps to solutions 			
	<ul style="list-style-type: none"> interprets, represents and converts measures using whole numbers, decimals, percentages, ratios and simple, common 			



Practitioner submitted task: Prepared for the Project, Teaching to Fish (Build Tasks) Integrating OALCF Task Development within Ontario's Literacy Programs (2014)

	fractions (e.g. $\frac{1}{2}$, $\frac{1}{4}$)			
	<ul style="list-style-type: none">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