

Task Title: Esteban’s Business Trip

# 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 mileage costs, fuel costs, and credit card interest.

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

* Find and Use Information/Interpret documents/A2.2
* Understand and Use Numbers/Manage money/C1.2
* Understand and Use Numbers/Use measures/C3.2

**Materials Required:**

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

# Learner Information

# When travelling for work, employees often submit business expenses including mileage for driving of a personal vehicle for work purposes.

Scan “**Information about Esteban’s expenses and reimbursements**” and “**Esteban’s bank account statement**”.

**Information about Esteban’s Expenses and Reimbursements**

* 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 |  |  |  |  |  |

# Work Sheet

**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.**

Answer:

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

**Task 2: How much fuel did Esteban use during his business trip?**

Answer:

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

**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.**

Answer:

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

**Task 4: How much would Esteban’s credit card bill be by the 4th month, if he made no payments?**

Answer:

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

**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.**

Answer:

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **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 |  |  |  |  |  |

# Answers

**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.**

Answer:

258 km @ 0.49cents/km

258 x 0.49 = 126.42

Esteban’s total mileage expenses are $126.42.

**Task 2: How much fuel did Esteban use during his business trip?**

Answer:

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: 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.**

Answer: $56.25 x 0.05452 = $3.07

**Task 4: How much would Esteban’s credit card bill be by the 4th month, if he made no payments?**

Answer:

$56.25 + $3.07 =$59.32 month 2

$59.32 x 0.05452 = $3.23

$59.32 + $3.23 = $62.55 month 3

$62.55 x 0.05452 = $3.41

$62.55 + $3.41 = $65.96 month 4

**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.**

Answer:

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **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** |

# Performance Descriptors

| Levels | Performance Descriptors | Needs Work | Completes task with support from practitioner | Completes task independently |
| --- | --- | --- | --- | --- |
| A2.2 | 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 |  |  |  |
| C1.3 | 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 |  |  |  |
|  | interprets and applies rates (e.g. km/hr) and ratios (e.g. map scales) |  |  |  |
|  | 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):

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