

Task Title: Travel and Time Calculations for Plumbers

# 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 distance travelled between job sites and the mileage reimbursement for a day of work.

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

* Understand and Use Numbers/Manage money/C1.2

**Materials Required:**

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

# Learner Information

Plumbers and other tradespeople often move between different job sites during one day. They may need to calculate total distance travelled and mileage reimbursements.

# Work Sheet

**A plumber is reimbursed for travel at the rate of 60 cents/kilometer.**

**Task 1: Calculate the mileage reimbursement based on the following odometer readings:**

**Start of shift: 82,781 km**

**End of shift: 82,817 km**

Answer:

# **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Task 2: Calculate the mileage reimbursement based on the following odometer readings:**

**Start of shift: 90,121 km**

**End of shift: 90,164 km**

Answer:

# **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Task 3: A plumber is working at three different homes in one day. The distances between homes are:**

**Office to Home A: 1 km**

**Home A to Home B: 13 km**

**Home B to Home C: 2 km**

**Home C to Office: 3 km**

**Calculate the total distance driven and the mileage reimbursement for the day.**

Answer:   
  
 **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

Answers

**A plumber is reimbursed for travel at the rate of 60 cents/kilometer.**

**Task 1: A plumber is reimbursed for travel at the rate of 60 cents/kilometer. Calculate the mileage reimbursement based on the following odometer readings:**

**Start of shift: 82,781 km**

**End of shift: 82,817 km**

Answer: 82,817 - 82,781 = 36 km

36 x 0.6 = $21.60

**Task 2: Calculate the mileage reimbursement based on the following odometer readings:**

**Start of shift: 90,121 km**

**End of shift: 90,164 km**

Answer: 90,164 – 90,121 = 43 km

43 x 0.6 = $25.80

**Task 3: A plumber is working at three different homes in one day. The distances between homes are:**

**Office to Home A: 1 km**

**Home A to Home B: 13 km**

**Home B to Home C: 2 km**

**Home C to Office: 3 km**

**Calculate the total distance driven and the mileage reimbursement for the day.**

Answer: 1 + 13 + 2 + 3 = 19km

19 x 0.60 = $11.40

Performance Descriptors

| Levels | Performance Descriptors | Needs Work | Completes task with support from practitioner | Completes task independently |
| --- | --- | --- | --- | --- |
| C1.2 | calculates using numbers expressed as whole numbers, fractions, decimals, percentages and integers |  |  |  |
|  | 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) |  |  |  |

This task: Was successfully completed Needs to be tried again

Learner Comments:

Instructor (print): Learner (print):

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