



Task Title: Travel and Time Calculations for Plumbers

OALCF Cover Sheet – Practitioner Copy

Learner Name: _____

Date Started: _____

Date Completed: _____

Successful Completion: Yes ☐ No ☐

Goal Path: Employment ☒ Apprenticeship ☒

Secondary School ☐ Post Secondary ☐ Independence ☐

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 B to Home C: 2 km

Home A to Home B: 13 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: $82,817 - 82,781 = 36 \text{ km}$

$36 \times 0.6 = \$21.60$

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: $90,164 - 90,121 = 43 \text{ km}$

$43 \times 0.6 = \$25.80$

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: $1 + 13 + 2 + 3 = 19 \text{ km}$

$19 \times 0.60 = \$11.40$

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. $\frac{1}{2}$, $\frac{1}{4}$)			
	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 ☐

Task Title: TravelAndTimeCalculationsForPlumbers_EA_C1.2

Learner Comments:

Instructor (print):

Learner (print):