



Task prepared for the project “Using Technology to Facilitate Connections between Literacy and the Broader Community” (2014)

This task set was vetted by this project and was not reviewed by the QUILL team.

OALCF Task Cover Sheet

Task Title: Planning a Trip from London to Toronto’s Pearson International Airport

Learner Name:	
Date Started:	Date Completed:
Successful Completion: Yes ___ No ___	
Goal Path: Employment ___ Apprenticeship ___ Secondary School <input checked="" type="checkbox"/> Post Secondary ___ Independence ___	
Task Description: Learners will use a trip itinerary produced on Google Maps and make multiple calculations associated with a trip to Toronto.	
Competency: A: Find and Use Information C: Understand and Use Numbers	Task Group(s): A1: Read continuous text A2: Interpret Documents C2: Manage Time C3: Use Measures
Level Indicators: A1.2: Read texts to locate and connect ideas and information A2.3: Interpret somewhat complex documents to connect, evaluate and integrate information C2.2: Make low-level inferences to calculate using time C3.3: Use measures to make multi-step calculations, use specialized measuring tools	
Performance Descriptors: see chart on last page	
Materials Required: <ul style="list-style-type: none"> • Google Map printout • Learner information and task sheet • Pencil, eraser (calculator optional) 	



Task prepared for the project “Using Technology to Facilitate Connections between Literacy and the Broader Community” (2014)

This task set was vetted by this project and was not reviewed by the QUILL team.

Task Title: Planning a Trip from London to Toronto’s Pearson International Airport

Maps are useful tools to get us where we want to go without getting lost and help us save time and fuel. In North America, both the metric system and the imperial system of measures are used. Here is an opportunity to work with a map and both systems of measures.

Learner Information and Tasks:

Task 1: Look at the Google directions. Use the distances included in the directions to calculate the total number of kilometres between London and Pearson Airport in Toronto. Round your answer to the nearest whole number.

Task 2: Refer to the conversion chart to convert the total distance of this trip into miles. Round your answer to the nearest whole number.

Task 3: The driver pulls over for a coffee break after driving 100 kilometres. Approximately how much of the trip has been completed?

(a) $\frac{1}{2}$

(b) $\frac{3}{4}$

(c) 60%

(d) $\frac{5}{8}$



Task prepared for the project “Using Technology to Facilitate Connections between Literacy and the Broader Community” (2014)

This task set was vetted by this project and was not reviewed by the QUILL team.

Task 4: What percentage of the total kilometres is driven on ON-401? Round to the nearest whole number.

Task 5: What is the driving distance on the Dixon Road exit, in metres?

Task 6: Assuming an average driving speed of 88 km/hr, how long will it take to drive to the Toronto Pearson Airport.

Task 7: The vehicle consumes 7 litres of gas / 100 km. Estimate the total amount of gas needed for the trip. Use proportions to solve.

- (a) 5 litres (b) 7 litres (c) 12 litres (d) 25 litres

This task set was vetted by this project and was not reviewed by the QUILL team.

30/10/2013

London, ON to Toronto Pearson International Airport - Google Maps

Google

Directions to Toronto Pearson International Airport
6301 Silver Dart Dr, Mississauga, ON L5P 1B2

Conversion Rates
Canada-US Travel
1 km = .62 miles
1 litre = .26 gal



London, ON

1. Head south on **Waterloo St** toward **Dundas St**

.14 km



2. Take the 1st left onto **Dundas St**
About 2 mins

go 1.0 km



3. Turn right onto **Adelaide St N**
About 2 mins

.80 km



4. Turn left onto **Hamilton Rd**
About 4 mins

go 2.8 km



5. Turn right onto **Highbury Ave N 3**
About 4 mins

go 4.9 km



6. Merge onto **ON-401 E** via the ramp to **Toronto**
About 1 hour 26 mins

go 159 km



7. Take the **ON-427** exit toward **Renforth Drive**
About 1 min

go 2.1 km



8. Keep left at the fork, follow signs for **Ontario 427 N/Ontario 427 S**

.30 km



9. Keep left at the fork, follow signs for **ON-427 N** and merge onto **ON-427 N**
About 1 min

go 2.1 km



10. Take the **Dixon Road** exit

.48 km



11. Keep left at the fork

.35 km



12. Keep right at the fork

.45 km



13. Take exit 1

.21 km



14. Keep right at the fork

.70 km



15. Slight left onto the ramp
Destination will be on the right
About 48 secs

.45 km



Toronto Pearson International Airport
6301 Silver Dart Dr, Mississauga, ON L5P 1B2

These directions are for planning purposes only. You may find that construction projects, traffic, weather, or other events may cause conditions to differ from the map results, and you should plan your route accordingly. You must obey all signs or notices regarding your route.

Map data ©2013 Google

Directions weren't right? Please find your route on maps.google.ca and click "Report a problem" at the bottom left.

This task set was vetted by this project and was not reviewed by the QUILL team.

Task Title: Planning a Trip from London to Toronto’s Pearson International Airport**Answer Key**

Task 1: Add column on right side of direction sheet. Total = 175.7 km. Rounds to **176 km**

Task 2: $176 \times .62 = 109.12$. Rounds to **109 miles**

Task 3: (a) $\frac{1}{2}$ of 176 km = 88 km

(b) $\frac{3}{4}$ of 176 km = 132 km

(c) 60% of 176 km = 105.6 km

(d) $\frac{5}{8}$ of 176 km = 110 km

The closest to 100 km is **(c) 60% of the trip has been completed**

Task 4: Total km = 176

Total km driven on the 401 is 159 km

$$100/176 = .56$$

$$.56 \times 159 = 89.04, \text{ rounds to } 89$$

89% of the total km are driven on the 401

Task 5: $.4 \text{ km} \times 1000 = 400 \text{ m}$

Task 6: 176 divided by 88 = 2

It will take 2 hours to drive to the airport.

Task 7: $7/100 = X/179$

$$7 \times 179/100 = X$$

$$X = 12.5$$

Answer is (c) 12 litres



Task prepared for the project “Using Technology to Facilitate Connections between Literacy and the Broader Community” (2014)

This task set was vetted by this project and was not reviewed by the QUILL team.

Task Title: Planning a Trip from London to Toronto’s Pearson International Airport

Performance Descriptors		Needs Work	Completes task with support from practitioner	Completes task independently
A1.2	<ul style="list-style-type: none"> locates multiple pieces of information in simple texts 			
A2.3	<ul style="list-style-type: none"> integrates several pieces of information from documents 			
	<ul style="list-style-type: none"> uses layout to locate information 			
C2.2	<ul style="list-style-type: none"> interprets and applies rates (e.g. \$/hr, km/hr, cooking time/pound) 			
C3.3	<ul style="list-style-type: none"> calculates using numbers expressed as whole numbers, fractions, decimals, percentages and integers 			
	<ul style="list-style-type: none"> chooses and performs required operations; makes inferences to identify required operations 			
	<ul style="list-style-type: none"> interprets, represents and converts measures using whole numbers, decimals, percentages, ratios and fractions 			

This task: was successfully completed___ needs to be tried again___

Learner Comments

Instructor (print)

Learner Signature