
CULMINATING TASK
MEL3E

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To complete this culminating task, you will be using all the information your have learned in this course.

You are the manager of your favourite band's concert tour. You would like the band to do a short tour, with 4 stops, in June/July.

Your goal is to estimate the expenses and revenue of the tour in advance to determine whether the tour will be profitable.

You will be looking at different aspects associated with the tour. Your final goal is to finish with a tour proposal summary. Each section of this package will enable you to complete another section of the summary. At the end of the two lessons, you will have all the information required in order to decide whether the tour will go ahead or not.

Make sure to read through all the information given. At the end of this package, you will be asked to submit all of your summary sheets, in addition to all your 'rough' work showing your calculations and answers to all the questions asked.

Keep track of the resources you use. You will be asked to submit a list of resources used in the gathering of all information.

This will be evaluated using the rubric on the reverse of this page. This is the culminating task for the course, so this takes the place of a formal exam.

Criteria	Level 1	Level 2	Level 3	Level 4
Knowledge/Understanding <input type="checkbox"/> mathematical calculations	<input type="checkbox"/> demonstrates minimal accuracy and limited understanding of mathematical calculations required to support tour proposal	<input type="checkbox"/> demonstrates some accuracy and understanding of mathematical calculations required to support tour proposal	<input type="checkbox"/> demonstrates considerable accuracy and understanding of mathematical calculations required to support tour proposal	<input type="checkbox"/> demonstrates thorough understanding of mathematical calculations required to support tour proposal and explores alternate tools and methods for the calculation of the required material
Thinking/Inquiry/Problem Solving <input type="checkbox"/> exploring revenue sources <input type="checkbox"/> determining tour route	<input type="checkbox"/> explores a few of the provided revenue sources and provides a tour route	<input type="checkbox"/> explores some of the provided revenue sources, and provides a reasonable tour route	<input type="checkbox"/> explores most of the provided revenue sources, and provides an efficient tour route	<input type="checkbox"/> explores almost all of the provided revenue sources, and includes additional sources, and determines an efficient tour route
Communication <input type="checkbox"/> quality of argument to justify decisions	<input type="checkbox"/> explores some factors in the provided framework, but offers little justification for decisions	<input type="checkbox"/> uses many of the factors in the provided framework to attempt to justify decisions made	<input type="checkbox"/> uses most of the factors in the provided framework and makes a well explained argument to justify decisions	<input type="checkbox"/> uses most all of the criteria provided in the framework to form concise, complete and convincing justification for decisions made
Application <input type="checkbox"/> how reliable information was used to make informed vehicle decisions	<input type="checkbox"/> uses minimal amounts of information when making vehicle decisions	<input type="checkbox"/> uses some relevant information when making vehicle decisions	<input type="checkbox"/> explores many options and uses this information when making vehicle decisions	<input type="checkbox"/> thoroughly explores many options and uses this information to make the optimal vehicle decisions

PART A WHO IS THE BAND ON TOUR?

In order to get some ideas regarding the band, your first assignment is to create a profile of the group: who are they, what kind of instrument do they ride, who are the members and what role do they each take on, what do they prefer to do?

Take some time to complete the following Band Profile Chart:

Name of the Tour Manager	
Name of the Sponsor	
Type of competitions	
Names of the three tour members	Roles of the three tour members
Other interesting information about the tour/competitions	

In order to have a starting point for the tour, you, as the manager, must arrange for a van to carry equipment and a second vehicle to carry the band members.

The competitions your group will complete in will be on 4 consecutive weekends. Three will be in Canada, near the border, and one will be in the States.

Determine the rental costs for each of the following vehicles. Do not worry about calculating the fuels costs, as you do not know the locations of the concerts yet. You will be able to complete this at a later date.

Complete the following chart by investigating rental prices, either on the Internet or at rental agencies.

Vehicle Type	Fuel Efficiency	Rental Agency A Name: _____	Rental Agency B Name: _____
Van (full sized)	9.0L / 100km	\$ _____ /weekend	\$ _____ /weekend
		\$ _____ extra fees	\$ _____ extra fees
		\$ _____ 13% HST	\$ _____ 13% HST
		\$ _____ Total cost	\$ _____ Total cost
Mid-sized Vehicle	12.6L / 100 km	\$ _____ /weekend	\$ _____ /weekend
		\$ _____ extra fees	\$ _____ extra fees
		\$ _____ 13% HST	\$ _____ 13% HST
		\$ _____ Total cost	\$ _____ Total cost

Source of information:

1. Which rental agency will you use? Why?
2. If each company has a 25% discount for the fourth weekend rental, calculate the cost of renting your selected van for the fourth weekend. What is the total rental cost for the whole month of January?

PART B WHERE ARE YOU GOING?

Answer the following questions. Show all your calculations, you will be submitting this with your summary sheet.

1. Two of your competitions locations will be Blue Mountain and Horseshoe Valley. Select two other locations, one in Ontario and one in the States.

Location Blue Mountain
Location Horseshoe Valley
Location
Location

In which order will the group visit these locations?

2. For each competition location, write down the most direct route from your home location to the competition location, and home again.
3. Calculate the total distance, using the scale on the map or the distance indicators, the group will travel each weekend, and the total distance for the month long weekend tour.
4. Calculate the cost of gas for each weekend, and also the total cost for the 4 weekends, for both vehicles you selected in part A.
5. Determine the competition dates for the month of June/July. Each competition will take place on a Saturday evening.
6. Estimate the cost of food for the weekend road trips using the following approximate costs for the main meals.

Breakfast: \$7.50
Lunch: \$15.00
Dinner \$21.00

7. Research the cost of hotel/motel rooms in each location.
8. Keep in mind that for the American competition date, all costs must be converted to Canadian funds. For these calculations, use the exchange rate of \$1 US = \$ 1.30 Can. Make sure to show all your work for the above questions.

9. Using the above information, copy and complete the summary sheets found on the next few pages.



Remember you must submit all of your summary sheets in addition to all your "rough" work showing calculations and answers to all the questions asked.

Tour Expenses

Competition Locations		
Location	Date	Most Efficient Route from Home Base
Distances to be Traveled and Gas Expense		
Location	Distance Traveled	Cost of Gas
		Total Cost of Gas

Accommodation Expenses		
Location	Hotel / Motel name	Cost per night
		Total Accommodation Costs

Food Expense		
Location	Cost	Extras
		Total Food Costs

Proposed Tour Summary

1. Tour Route

COMPETITION NUMBER	COMPETITION DATE	COMPETITION LOCATION
1		
2		
3		
4		

2. Estimated total accommodation expenses for the entire tour:
3. Estimated total gas expenses for the entire tour:
4. Estimated total food expenses for the entire tour:

**REMEMBER TO KEEP ALL YOUR WORK SHOWING ALL YOUR CALCULATIONS,
THIS MUST BE SUBMITTED WITH YOUR FINAL PROPOSAL**