



Grade 10 Ext: MATHEMATICS

Student loans...

NAME		CLASS		DATE	
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Statement of inquiry: Understanding the nature of a relationship helps us make better-informed decisions.

To obtain the highest level on Criterion D you will need to do the following:

Criterion D: Applying Mathematics in Real-life Contexts	Level	Descriptors	Clarification
	0	The student has not reached a standard described below.	You have not reached a standard described below.
		The Student is able to:	You were able to:
	1 - 2	<ul style="list-style-type: none"> • identify some of the elements of the authentic real-life situation. • apply mathematical strategies to find a solution to the authentic real-life situation, with limited success. 	<ul style="list-style-type: none"> <input type="checkbox"/> use the information given in the task to find some of the data relevant to finding the required solutions, <input type="checkbox"/> apply some relevant mathematics in an attempt to create models and come to conclusions.
	3 - 4	<ul style="list-style-type: none"> • identify the relevant elements of the authentic real-life situation. • select, with some success, adequate mathematical strategies to model the authentic real-life situation. • apply mathematical strategies to reach a solution to the authentic real-life situation. • discuss whether the solution makes sense in the context of the authentic real-life situation. 	<ul style="list-style-type: none"> <input type="checkbox"/> use the information given in the task to find the data relevant to finding the required solutions, <input type="checkbox"/> select and apply adequate mathematical strategies to create a model that describes how a loan works and attempt to find monthly repayment values for the situations described in the task, <input type="checkbox"/> discuss the sense of your results.
	5 - 6	<ul style="list-style-type: none"> • identify the relevant elements of the authentic real-life situation. • select adequate mathematical strategies to model the authentic real-life situation. • apply the selected mathematical strategies to reach a valid solution to the authentic real-life situation. • explain the degree of accuracy of the solution. • explain whether the solution makes sense in the context of the authentic real-life situation. 	<ul style="list-style-type: none"> <input type="checkbox"/> use the information given in the task to find the data relevant to finding the required solutions, <input type="checkbox"/> select and apply adequate mathematical strategies to create a valid model that describes how a loan works and use this to find monthly repayment values for the situations described in the task, <input type="checkbox"/> explain the accuracy of your results, <input type="checkbox"/> explain that your results were correct.
7 - 8	<ul style="list-style-type: none"> • identify the relevant elements of the authentic real-life situation. • select adequate mathematical strategies to model the authentic real-life situation. • apply the selected mathematical strategies to reach a correct solution to the authentic real-life situation. • justify the degree of accuracy of the solution. • justify whether the solution makes sense in the context of the authentic real-life situation. 	<ul style="list-style-type: none"> <input type="checkbox"/> use the information given in the task to find the data relevant to finding the required solutions, <input type="checkbox"/> select and apply adequate mathematical strategies to create a correct model that describes how a loan works and use this to find correct monthly repayment values for the situations described in the task, <input type="checkbox"/> justify the accuracy of your results, <input type="checkbox"/> justify that your results were correct. 	