

Achievement Check Rubric

Category	Level 1	Level 2	Level 3	Level 4
Knowledge/ Understanding	<ul style="list-style-type: none"> demonstrates limited knowledge of modelling problems with first-degree equations 	<ul style="list-style-type: none"> demonstrates some knowledge of modelling problems with first-degree equations 	<ul style="list-style-type: none"> demonstrates considerable knowledge of modelling problems with first-degree equations [e.g., creates and solves an appropriate equation c)] 	<ul style="list-style-type: none"> demonstrates a thorough knowledge of modelling problems with first-degree equations [e.g., demonstrated in d)]
Thinking	<ul style="list-style-type: none"> uses planning and critical-thinking processes with limited effectiveness 	<ul style="list-style-type: none"> uses planning and critical-thinking processes with some effectiveness 	<ul style="list-style-type: none"> uses planning and critical-thinking processes with considerable effectiveness [e.g., in first three parts; has a plan for part of d)] 	<ul style="list-style-type: none"> uses planning and critical-thinking processes with a high degree of effectiveness [e.g., creates and carries out an effective plan for all parts including d); model in d) is other than an equation]
Communication	<ul style="list-style-type: none"> expresses and organizes mathematical thinking with limited effectiveness uses mathematical vocabulary and notation with limited effectiveness 	<ul style="list-style-type: none"> expresses and organizes mathematical thinking with some effectiveness uses mathematical vocabulary and notation with some effectiveness 	<ul style="list-style-type: none"> expresses and organizes mathematical thinking with considerable effectiveness uses mathematical vocabulary and notation with considerable effectiveness (e.g., uses good form for equation solving, graphs, charts) 	<ul style="list-style-type: none"> expresses and organizes mathematical thinking with a high degree of effectiveness uses mathematical vocabulary and notation with a high degree of effectiveness (e.g., uses excellent form for equation solving, graphs, charts)
Application	<ul style="list-style-type: none"> applies knowledge to this context with limited effectiveness 	<ul style="list-style-type: none"> applies knowledge to this context with some effectiveness 	<ul style="list-style-type: none"> applies knowledge to this context with considerable effectiveness (e.g., no confusion of data values) 	<ul style="list-style-type: none"> applies knowledge to this context with a high degree of effectiveness [e.g., may connect two or more models in d)]