

Assessment Task 1

Due Date: Friday 13 March 2020(Week 7B)

Date Distributed: Friday 28 February 2020 Task Weighting: 20%

Outcomes

- Selects appropriate notations and conventions to communicate mathematical ideas and solutions MA5.2-1WM
- Selects and uses appropriate strategies to solve problems MA5.1-2WM
- Constructs arguments to prove and justify results MA5.2-3WM
- Simplifies algebraic fractions, and expands and factorises quadratic expressions MA5.2-6NA
- Solves linear and simple quadratic equations MA5.2-8NA
- Selects and applies appropriate algebraic techniques to operate with algebraic expressions MA5.3-5NA
- Solves financial problems involving earning and spending money MA5.1-4NA

ASSESSMENT OUTLINE

1. WHAT AREAS OF LEARNING DOES THIS ASSESSMENT ADDRESS?

Your knowledge, skills and understanding in the following areas can be assessed in this examination:

Algebra and Equations	Financial Mathematics
<ul style="list-style-type: none"> • Simplifying, Expanding and Factorising algebraic expressions. • Simplifying Algebraic Fractions. • Solving one, two and three step equations. • Solving equations with expansions. • Solving simple quadratic equations. • Substitutions into formulae and solving equations arising from substitutions. 	<ul style="list-style-type: none"> • Solve problems involving earning money – wages or salary • Comparing different earning scenarios.

2. WHY IS THE COMPLETION OF THIS ASSESSMENT IMPORTANT?

- This task will be used by your teachers to assess your knowledge and understanding of the outcomes listed above that you have been studying in class.
 - The marks achieved in this exam will go towards your Semester 1 report and may determine your class in any future class placements.
 - This exam is your chance to show what you know and can do in each of the topics listed.
 - It will be used to show you where you can improve in the future.
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3. WHAT STEPS DO I TAKE TO COMPLETE THIS TASK?

Task Outline

This exam will consist of two sections.

- **Section 1:** 10 multiple choice questions, worth 1 mark each. Questions will cover a range of the content listed in the Areas of Learning and will increase in difficulty. They are to be answered on a separate multiple choice answer sheet attached to the back of your exam.
- **Section 2:** A mixture of short and long response questions separated into topics, worth 1 mark or more. Each topic will build in difficulty. This section will involve a number of literacy questions, requiring you to write a short statement to fully answer the question. All answers are to be written on the space provided below each question.

Time allocated: 1 period in class

As this is an examination you will need to prepare for this task by:

- Making summary notes of each topic listed above (mind map, flow chart, dot points).
- Accessing practice past papers on Moodle.
- Regularly completing practice examination questions.
- Seeking teacher assistance on unclear work.
- Ensuring all set work is up to date.

Details for Submission

For successful completion of this examination you must bring the following equipment.

- NESA approved calculator
- Blue or black pen,
- Pencils and eraser for graphs
- A ruler

4. HOW WILL MARKS BE AWARDED TO MEASURE MY LEARNING?

Worked solutions with marking criteria for each question will be provided when the exam is marked and returned. You should ensure that you go through these solutions thoroughly to correct your mistakes and ask your teacher if there is anything you are unsure about.

You will also receive feedback on your examination performance based on the criteria in the marking rubric attached.

2020 Literacy Marking Rubric

LITERACY MARKING CRITERIA	Descriptors				
	1	2	3	4	5
<p>Vocabulary</p> <p>Uses technical vocabulary to explain concepts and/or range of precise and appropriate words for effect</p>	<ul style="list-style-type: none"> - Symbols or drawings 	<ul style="list-style-type: none"> - Only simple and nontechnical words are used. 	<ul style="list-style-type: none"> - Some precise and technical words are used. 	<ul style="list-style-type: none"> - Sustained use of precise and technical words. 	<ul style="list-style-type: none"> -Sustained, consistent and fluent use of precise and technical words.
<p>Punctuation</p> <p>Use of correct and appropriate punctuation for effect and to aid in reading of the text</p>	<ul style="list-style-type: none"> - No or minimal evidence of correct sentence punctuation (less than 25%) 	<ul style="list-style-type: none"> - Limited evidence of correct sentence punctuation (at least 25%) 	<ul style="list-style-type: none"> - Some correct sentence level punctuation (at least 50%). 	<ul style="list-style-type: none"> - Mostly correct sentence level punctuation (at least 80%). 	<ul style="list-style-type: none"> -Writing contains accurate use of all applicable punctuation.
<p>Sentences</p> <p>Intentionally constructs a variety of sentences to match purpose and audience</p>	<ul style="list-style-type: none"> - No evidence of sentences - Drawings, symbols, a list of words OR text fragments 	<ul style="list-style-type: none"> - At least one sentence is used correctly. 	<ul style="list-style-type: none"> - Some correct formation of sentences. (at least 50%) 	<ul style="list-style-type: none"> - Most sentences (80%) are correct but are largely unsophisticated. 	<ul style="list-style-type: none"> - All sentences are correct including sophisticated sentences.