

Assessment Task 1

Due Date: Tuesday 10th March 2020

Date Distributed: Tuesday 25th February Task Weighting: 20%

Outcomes

- Communicates and connects mathematical ideas using appropriate terminology, diagrams and symbols MA4-1WM
- Applies appropriate mathematical techniques to solve problems MA4-2WM
- Recognises and explains mathematical relationships using reasoning MA4-3WM
- Generalises number properties to operate with algebraic expressions MA4-8NA
- Performs calculations of time that involve mixed units, and interprets time zones MA4-15MG

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:

ALGEBRAIC TECHNIQUES 2 <ul style="list-style-type: none"> • Create Algebraic expressions and evaluate them by substituting a given value for each variable • Extend and apply the distributive law to the expansion of algebraic expressions • Expand algebraic expressions by removing one or more sets of brackets • Factorise algebraic expressions by identifying numerical and algebraic factors. • Find the HCF and LCF of two numbers. 	TIME <ul style="list-style-type: none"> • Converting between 24 and 12 hour time • Converting between hours and hours, minutes and seconds • Comparing Australian Time Zones • Comparing International Time Zones • Adding and Subtracting times in real world examples
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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.
- This exam is your chance to show what you know and can do in each of the topics listed on the next page.
- It will be used to show you where you can improve in the future.

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. The questions in each topic will build in difficulty. This section will involve a number of literacy questions, requiring you to write a short statement in full sentences, 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:

- Make summary notes of each topic listed above (mind map, flow chart, dot points).
- Access practice past papers on Moodle.
- Regularly complete practice examination questions.
- Seek teacher assistance on unclear work.
- Ensure all set work is up to date.

Details for Submission

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

- Board 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
Vocabulary Uses technical vocabulary to explain concepts and/or range of precise and appropriate words for effect	- Symbols or drawings	- Only simple and nontechnical words are used.	- Some precise and technical words are used.	- Sustained use of precise and technical words.	-Sustained, consistent and fluent use of precise and technical words.
Punctuation Use of correct and appropriate punctuation for effect and to aid in reading of the text	- No or minimal evidence of correct sentence punctuation (less than 25%)	- Limited evidence of correct sentence punctuation (at least 25%)	- Some correct sentence level punctuation (at least 50%).	- Mostly correct sentence level punctuation (at least 80%).	-Writing contains accurate use of all applicable punctuation.
Sentences Intentionally constructs a variety of sentences to match purpose and audience	- No evidence of sentences - Drawings, symbols, a list of words OR text fragments	- At least one sentence is used correctly.	- Some correct formation of sentences. (at least 50%)	- Most sentences (80%) are correct but are largely unsophisticated.	- All sentences are correct including sophisticated sentences.