



COONABARABRAN HIGH SCHOOL

ASSESSMENT NOTIFICATION

MATHEMATICS STANDARD 2 – Year 12

Task 1

Task Content: MS-M7 Rates and Ratios

MS –F4 Investments and Loans

Type of task – Assignment – hand in

Due Date: Friday 10th March 2023. THIS TASK IS TO BE HANDED IN **BEFORE 8.55am** on Friday 10/3/2023. It must be accompanied by a signed Assessment sheet and Declaration.

Notification date: 18/02/2023

Value of total assessment: 20%

Outcomes Assessed

- MS2-12-3 interprets the results of measurements and calculations and makes judgements about their reasonableness, including the degree of accuracy and the conversion of units where appropriate.
- MS2- 12-5 makes informed decisions about financial situations, including annuities and loan repayments.
- MS2-12-9 chooses and uses appropriate technology effectively in a range of contexts, and applies critical thinking to recognise appropriate times and methods for such use.
- MS2-12-10 uses mathematical argument and reasoning to evaluate conclusions, communicating a position clearly to others and justifying a response

APPROVED CALCULATORS MAY BE USED.

You will be assessed on your ability to explain and understand key aspects of:

- **Demonstrate knowledge and understanding of an energy audit, share purchase, scale drawing and simple and compound interest.**
- **Communicate using information researched from the internet.**
- **Present a well written and organised answer in a word document. Note you will be expected to hand-write some calculations to justify your responses.**

GENERAL INFORMATION

You must hand in a hard copy of the Assignment. It will not be accepted in electronic form. You also need to hand in an assessment task cover sheet and declaration with your assignment, before 8.55am on Friday 10 March 2023.

All questions are to be answered with full sentences.

Assessment Task to be completed in a Word document. You may need to attach some items eg. Spreadsheets or some handwritten calculations.

Justify all answers with calculations, including the working out processes involved.

Appendices are attached at the end to assist you with each section.

A marking rubric is attached to the back of the task.

Part A: Energy Audit (20 marks)

Part B: Share Market Purchase (28 marks)

Part C: Scale Drawing (14 marks)

Part D: Comparing Simple and Compound Interest (24 marks)