



Condobolin High School



Notification of an Assessment Task

Name and Type of Task: Test

Subject: Year 9 Mathematics

Task Number: 1

Date Issued: Term 2, Week 1

Wednesday 1st May 2024

Date Due: Term 2, Week 3

Thursday 16th May 2024

Total Marks: 50

Weighting: 30%

Class Teacher/s: Mr Shannon, Mrs Waller

Head Teacher: Mrs Davis

Submission Instructions - Students are to complete the class task on Thursday 16 May 2024. The task MUST be submitted to your teacher upon completion and is NOT to be removed from the room.

Task Context:

Throughout the term, you have studied the following topics in class:

- Financial Mathematics
- Trigonometry

In this task, you will be tested on the ability to solve a range of questions from this content learnt throughout term 1 in a formal written test.

Course Outcomes:

MA5-TRG-C-01 applies trigonometric ratios to solve right-angled triangle problems

MA5-TRG-C-02 applies trigonometry to solve problems, including bearings and angles of elevation and depression

MA5-TRG-P-01 applies Pythagoras' theorem and trigonometry to solve 3-dimensional problems and applies the sine, cosine and area rules to solve 2-dimensional problems, including bearings

MA5-TRG-P-02 establishes and applies the properties of trigonometric functions and finds solutions to trigonometric equations

MA5-FIN-C-01 solves financial problems involving simple interest, earning money and spending money

Task Description:

- You will be provided with a range of questions in the form of a one period test. The test will be separated into 2 parts, according to the topics: Trigonometry and Financial Mathematics.
- The test will consist of multiple choice, short answers and multi-step questions.
 - o 10 multiple choice questions (5 marks for each topic)
 - o 16 short answer and multi step questions with multiple parts (25 marks for financial maths and 15 marks for trigonometry)
- You will be allowed to bring in a NESA-approved calculator.
- Marks will be allocated throughout the task.

Criteria for Assessing Learning:

You will be assessed on your ability to:

- Label the sides of a right-angled triangles (hypotenuse, opposite and adjacent)
- Identify the Sin, Cos and Tan ratios in a right-angled triangle
- Perform calculations using trigonometry
- Apply the trig ratios to solve right-angled triangle problems
- Solve right-angled triangle problems involving angles of depression and elevation
- Solves problems involving fractions, percentages and decimals
- Solve problems involving earning money including wages, salaries, piecework, royalties, commission and overtime
- Solve problems involving spending money

Key Verbs:

Apply: use rules in a particular situation

Calculate: Determine from given facts, figures or information

Compare: To describe the difference between two or more objects using mathematical terms

Find: To identify the solution

Identify: recognise and name

Label: Name the parts of a shape or diagram

Solve: To find the value of

Marking Guideline:

Marks are allocated to questions on the test paper.