Condobolin High School

Notification of an Assessment Task

Name and Type of Task: In Class Test	
Subject: Year 8 Mathematics	**Task Number:** 1
Date Issued: Term 2, Week 3 Monday 13th May, 2024	**Date Due:** Term 2, Week 5 Monday 27th May, 2024
Total Marks: 60	**Weighting:** 30%
Class Teacher/s: Mr Shannon, Ms Verinder	**Head Teacher:** Mrs Davis

Submission Instructions - Students are to complete the class task on Monday 27th May, period 2. 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:

- Properties of Geometrical Figures / Angle Relationships
- Indices
- Financial Mathematics (including fractions, decimals and percentages)

In this task, you will be tested on the ability to solve a range of questions from this content learnt throughout Term 1 and 2 in a formal written test.

Course Outcomes:

MA4-IND-C-01	operates with primes and roots, positive-integer and zero indices involving numerical bases and establishes the relevant index laws
MA4-ANG-C-01	applies angle relationships to solve problems, including those related to transversals on sets of parallel lines
MA4-GEO-C-01	identifies and applies the properties of triangles and quadrilaterals to solve problems
MA4-FRC-C-01	represents and operates with fractions, decimals and percentages to solve problems
MAO-WM-01	develops understanding and fluency in mathematics through exploring and connecting mathematical concepts, choosing and applying mathematical techniques to solve problems, and communicating their thinking and reasoning coherently and clearly

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 3 parts, according to the topics: Properties of Geometrical Figures/ Angle Relationships, Indices, and Financial Mathematics.
- The test will consist of a mixture of multiple choice, short answer and multi-step questions
    - 15 multiple choice questions (5 marks for each topic – total 15 marks)
    - 17 short answer and multi-step questions with multiple parts (15 marks for each topic – total 45 marks)
- You will be allowed to bring in a NESA-approved calculator.

Criteria for Assessing Learning:

You will be assessed on your ability to:

- Classify shapes and angles
- Identify the axes of symmetry in a shape
- Find the angle sum of triangles and quadrilaterals
- Find the complement/ supplement of an angle
- Identify the properties of shapes
- Find multiples and factors of numbers
- Use a calculator to evaluate squares, square root, indices, cubes, cubed roots, fractions, decimals and percentages.
- Identify the parts of an indice as a base or an index
- Simplify / write numbers in expanded and index form
- Determine the factors using a factor tree and write in index form
- Round numbers
- Convert numbers from improper to mixed numbers and vice versa
- Order fractions, decimals on a number line
- Find equivalent fractions and identify the lowest common denominator
- Write decimals as terminating or recurring decimal
- Solve questions relating to financial mathematics.

Key Verbs:

Calculate: Determine from given facts, figures or information

Classify: Name a shape or angle according to its properties

Simplify: To write expressions in a simpler form

Convert: To change eg to change a fraction to a decimal

Solve: To find the value of

Find: To identify the solution

Identify: recognise and name

Evaluate: determine from given facts, figures or information

Simplify: To make more concise

Label: Name the parts of a shape or diagram

Order: To write sequentially

Round: Approximating a decimal to an allocated number of decimal places.

Marking Guideline:

Marks are allocated to questions on the test paper.