



# ORANGE HIGH SCHOOL

## ASSESSMENT TASK NOTIFICATION

<b>Subject</b>	Year 8 Mathematics
<b>Topic</b>	Task 1 – Mid Course Examination
<b>Class Teacher</b>	Mrs Arnott
<b>Head Teacher</b>	Mrs Edwards
<b>Year</b>	8MA5
<b>Date Given</b>	Week 2, Term 2 2024
<b>Date Due</b>	Week 4, Term 2 2024
<b>Weighting</b>	30%

### Assessment Outline

#### Examination – 1 period

- Pythagoras' Theorem & Measurement
  - Labelling the hypotenuse, testing for a Pythagorean Triad, finding the length of the hypotenuse and short sides, units of length, perimeter, area of a: square, rectangle, triangle, parallelogram, kite, rhombus and trapezium, volume using cubes
- Algebraic Techniques
  - Terminology, substitution, addition and subtraction of like terms, multiplying and dividing terms, expanding brackets, factorising, index laws: multiplying, dividing, power of a power and zero law,
- Circles
  - Parts of a circle and Pi, circumference, arc length and perimeter of sectors, perimeter of composite shapes, area of a circle, area of sectors, volume of cylinders

#### Items required:

- **Calculator**
- **Pen/s**

#### Non-completion of Task:

If you know you are going to be away on the day that the task is due, you must make alternative arrangements with your teacher beforehand. If you are suddenly away on the day that the task is due, you must contact your teacher or Head Teacher on your return to school. Documentation will be required in both classes.

#### Plagiarism:

Plagiarism, the using of the work of others without acknowledgement will incur serious penalties and may result in zero award. Any cheating will also incur penalties.

**Failure to follow the above procedures may result in a zero award.**

**The policies and procedures that are outlined on the ROSA booklet will be followed regarding the non-completion of assessment tasks.**

## **Outcomes Assessed**

**MA4-1WM** communicates and connects mathematical ideas using appropriate terminology, diagrams and symbols

**MA4-2WM** applies appropriate mathematical techniques to solve problems

**MA4-3WM** recognises and explains mathematical relationships using reasoning

**MA4-12MG** calculates the perimeters of plane shapes and the circumferences of circles

**MA4-13MG** uses formulas to calculate the areas of quadrilaterals and circles, and converts between units of area

**MA4-14MG** uses formulas to calculate the volumes of prisms and cylinders, and converts between units of volume

**MA4-16MG** applies Pythagoras' Theorem to calculate side lengths in right-angled triangles, and solves related problems

**MA4-8NA** generalises number properties to operate with algebraic expressions

**MA4-9NA** operates with positive-integer and zero indices

## **Examination Structure**

The examination will be separated into three sections:

### **Section I – Basic Understanding Grades D/E**

This section will contain questions requiring students to demonstrate a basic knowledge of content and understanding of course concepts, applying skills and processes in some familiar contexts.

### **Section II- Sound Understanding Grades B/C**

This section will contain questions requiring students to demonstrate sound knowledge of content and understanding of course concepts. Students will be required to solve routine problems of up to 3 steps in familiar and unfamiliar situations. They will apply some connections between concepts to attempt non-routine problems.

### **Section III – High Understanding Grade A**

This section will contain questions requiring students to demonstrate extensive knowledge of content and understanding of course concepts and apply highly developed skills and processes in a range of contexts. Students will be required to make connections between concepts to solve problems in familiar and unfamiliar situations. They will use multiple connections between concepts to solve non routine problems.