



ORANGE HIGH SCHOOL

ASSESSMENT TASK NOTIFICATION

Subject	Year 8 Mathematics
Topic	Mid Course Examination
Class Teacher	Mr Robinson, Mrs Edwards, Mr Boardman, Mrs Beeby, Mr Gurjar, Mrs Routh, Mr Benson, Mrs Sood and Ms Lyon
Head Teacher	Mrs Edwards
Year	8
Date Given	Week 2, Term 2 2024
Date Due	Week 4, Term 2 2024
Weighting	30%

Assessment Outline

Examination – 1 period

Pythagoras' Theorem and Measurement	Algebraic Techniques and Indices	Circles
<ul style="list-style-type: none">• Finding the length of the Hypotenuse• Finding the length of the short side• Pythagorean Triads• Testing if a triangle is right angled• Converting units of length, area and volume• Perimeter• Area of Basic and Composite Shapes• Volume & Capacity of Prisms	<ul style="list-style-type: none">• Writing algebraic expressions• Substitution• Adding & Subtracting like terms• Multiplying & Dividing algebraic terms• Expanding Brackets• Factorising Expressions• Index Laws: Multiplying, dividing, power of a power & zero index	<ul style="list-style-type: none">• Parts of the circle and Pi• Circumference of a Circle• Area of a Circle

Required equipment

- Black or Blue pen or pencil
- Calculator
- A formula sheet will be provided

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.

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

Course Outcomes:

- MA4-12MG calculates the perimeters of plane shapes and the circumference 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 volume of prisms and cylinders
- 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 of numerical bases
- 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

Examination Structure

The examination will be separated into three sections:

Section 1 – 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 2 - 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 3 – 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.