



ORANGE HIGH SCHOOL

ASSESSMENT TASK NOTIFICATION

Subject	Mathematics
Topic	End of Course Examination
Class Teacher	Mr Robinson, Mr Clarke, Mr Gurjar, Mrs Beeby, Mrs Routh, Mr Currall and Ms Lyon
Head Teacher	Mrs Edwards
Year	8
Date Given	Week 3, Term 4 2024
Date Due	Week 5, Term 4 2024
Weighting	40%

Assessment Outline

Examination – 45 minutes (1 period)

Topics assessed:

Angles and Geometrical Figures	Equations	Rates and Ratios
<ul style="list-style-type: none">• Angle types• Naming angles• Complementary, supplementary, vertically opposite and angles at a point• Parallel lines• Types of triangles• Angle sum of a triangle• Exterior angle of a triangle• Types of quadrilaterals• Angle sum of a quadrilateral• Line and rotational symmetry	<ul style="list-style-type: none">• Writing equations• One step equations• Two step equations• Equations with fractions• Equations with pronumerals on both sides• Equations with brackets• Quadratic equations	<ul style="list-style-type: none">• Writing ratios• Simplifying ratios• Equivalent ratios• Dividing a quantity into a given ratio• Scale drawings• Simplifying rates• The unitary method• Speed, distance and time• Distance-Time graphs• Solving problems involving rates and ratios

Required equipment

- Black or Blue pen
- Calculators

Course Outcomes:

MA4-18MG	identifies and uses angle relationships, including those related to transversals on sets of parallel lines
MA4-17MG	classifies, describes and uses the properties of triangles and quadrilaterals, and determines congruent triangles to find unknown side lengths and angles
MA4-10NA	uses algebraic techniques to solve simple linear and quadratic equations
MA4-7NA	operates with ratios and rates, and explores their graphical representation
MA4-2WM	applies appropriate mathematical techniques to solve problems

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.

Plagiarism:

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

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

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.