



# ORANGE HIGH SCHOOL

## ASSESSMENT TASK NOTIFICATION

<b>Subject</b>	Year 8 Mathematics
<b>Topic</b>	Task 2 – Mid Course
<b>Class Teacher</b>	Bulmer, Kircher, Arnott, Sood, Benson, Edwards, Brown
<b>Head Teacher</b>	Ms Stevenson
<b>Year</b>	8MA1, 8MA2, 8MA3, 8MA4, 8MA5, 8MA6, 8MA7, 8MA8
<b>Date Given</b>	Week 4, Term 2 2022
<b>Date Due</b>	Week 6, Term 2 2022
<b>Weighting</b>	25%

### Assessment Outline

**In Class Examination – 1 period**

#### **Topics Covered**

<b>Pythagoras Theorem</b>	<b>Measurement</b>	<b>Algebraic Techniques</b>	<b>Circles</b>
Identifying hypotenuse and formula for Pythagoras' Theorem	Conversion of Units (Length, Area, Volume and Capacity)  Perimeter	Language of Algebra  Substitution	Parts of a circle  Pi and irrational numbers
Testing if a triangle is right-angled using triads	Area of simple shapes (square, rectangle & triangle)	Addition, Subtraction, Multiplication, Division of Algebraic terms	Circumference of circles, sectors and composite shapes
Finding the length of unknown sides (hypotenuse and short side)	Area of quadrilaterals (parallelogram, rhombus, kite & trapezium)	Expanding and factorising algebraic expressions	Area of circles and sectors
Problem solving with Pythagoras' Theorem	Problem solving with perimeter and area  Composite Area and perimeter	Problem Solving with Algebra	Volume of Cylinders
	Volume of prisms	Index laws	

To Bring:

- **Calculator**
- **Writing Materials**

#### **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

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

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

**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