

8AEL End of year revision checklist – Theta 2 textbook

You will have two end of year tests in Maths – 1 calculator and 1 non-calculator. Each test will be 50 min, and those entitled to extra time will get another 25% (12.5 mins)

This is a list of the topics you will be tested on.

Remember, for Maths you must do questions and test yourself. Reading notes is not enough.

Name: _____

- Doing check-ups at the end of each unit can help you identify areas you need to work, if you are unsure.
- Questions from each section, unit tests and questions from ‘strengthen’ and ‘extend’ at the end of each chapter can help you.
- You may find the following websites useful also:
www.mymaths.co.uk, www.khanacademy.org, www.mathsgenie.co.uk
mathswatch.co.uk/vle

	Grade yourself before starting? 1 – 5	Questions done	Confidence after revision 1 - 5		Grade yourself before starting? 1 – 5	Questions done	Confidence after revision 1 – 5
Unit 1 – Number	☹ ☺		☹ ☺	Unit 3 – Statistics, graphs and charts	☹ ☺		☹ ☺
1.1 Calculations	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3.1 Pie charts	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
1.2 Calculations using negative numbers	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3.2 Using tables	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
1.3 Powers and roots	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3.3 Stem and leaf diagrams	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
1.4 Powers, roots and brackets	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3.4 Comparing data	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
1.5 Multiples and factors	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3.5 Scatter graphs	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Unit 2 – Area and Volume				3.6 Misleading graphs	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2.1 Area of a triangle	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unit 4 – Expressions and equations			
2.2 Area of a parallelogram and trapezium	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	4.1 Algebraic powers	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2.3 Volume of cubes and cuboids	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	4.2 Expressions and brackets	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2.4 3D shapes	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	4.3 Factorising expressions	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2.5 Surface area of cubes and cuboids	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	4.4 One-step equations	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2.6 Problems and measure	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	4.5 Two-step equations	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
				4.6 The balancing method	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

	Grade yourself before starting? 1 – 5	Questions done	Confidence after revision 1 – 5		Grade yourself before starting? 1 – 5	Questions done	Confidence after revisio 1 – 5
	☹ ☺		☹ ☺		☹ ☺		☹ ☺
Unit 5 – Real-life graphs				Unit 8 – Calculating with fractions			
5.1 Conversion graphs	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	8.1 Adding and subtracting fractions	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5.2 Distance-time graphs	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	8.2 Multiplying fractions	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5.3 Line graphs	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	8.3 Fractions, decimals and reciprocals	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5.4 Complex line graphs	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	8.4 Dividing fractions	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5.5 Graphs of functions	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	8.5 Calculating with mixed numbers	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5.6 More real-life graphs	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				
				Unit 9 – Straight-line graphs			
Unit 6 – Decimals and ratio				9.1 Direct proportion on graphs	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6.1 Ordering decimals and rounding	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	9.2 Gradients	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6.2 Place-value calculations	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	9.3 Equations of straight lines	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6.3 Calculations with decimals	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	9.4 Direct proportion problems	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6.4 Ratio and proportion with decimals	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				
6.5 Using ratios	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				
Unit 7 – Lines and angles							
7.1 Quadrilaterals	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				
7.2 Alternate angles and proof	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				
7.3 Geometrical problems	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				
7.4 Exterior and interior angles	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				
7.5 Solving geometric problems	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				