

7AEL End of year revision checklist – Delta 1 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. **Answers to all questions in the textbook, along with this revision checklist, have been sent out to relevant parents.** Get in touch with your teacher if you have any problems.

| | Grade yourself before starting? 1 – 5 | Questions done | Confidence after revision 1 - 5 |
|--|---|--------------------------|---------------------------------------|
| Unit 1 – Analysing and displaying data | ☹ ☺ | | ☹ ☺ |
| 1.1 Two-way tables and bar charts | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 1.2 Averages and range | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 1.3 Grouped data | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 1.4 More graphs | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 1.5 Pie charts | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 1.6 Scatter graphs and correlation | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Unit 2 – Number skills | | | |
| 2.1 Factors, primes and multiples | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 2.2 Using negative numbers | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 2.3 Multiplying and dividing | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 2.4 Squares and square roots | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 2.5 More powers and roots | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 2.6 Calculations | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

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

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|--|---|--------------------------|---------------------------------------|
| Unit 3 – Expressions, functions and formulae | ☹ ☺ | | ☹ ☺ |
| 3.1 Simplifying algebraic expressions | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 3.2 Writing algebraic expressions | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 3.3 Using formulae | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 3.4 Writing formulae | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 3.5 Brackets and powers | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 3.6 Factorising expressions | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Unit 4 – Fractions | | | |
| 4.1 Working with fractions | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 4.2 Adding and subtracting fractions | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 4.3 Fractions, decimals and percentages | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 4.4 Multiplying and dividing fractions | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 4.5 Working with mixed numbers | <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 – Angles and shapes | ☹ ☺ | | ☹ ☺ | Unit 8 – Multiplicative reasoning | ☹ ☺ | | ☹ ☺ |
| 5.1 Angles and parallel lines | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | 8.1 Metric and imperial units | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 5.2 Triangles | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | 8.2 Writing ratios | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 5.3 Quadrilaterals | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | 8.3 Sharing in a given ratio | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 5.4 Polygons | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | 8.4 Proportion | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| | | | | 8.5 Proportional reasoning | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Unit 6 – Decimals | | | | 8.6 Using the unitary method | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 6.1 Ordering decimals | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | | | |
| 6.2 Rounding decimals | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Unit 9 – Perimeter, area and volume | | | |
| 6.3 Adding and subtracting decimals | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | 9.1 Triangles, parallelograms and trapeziums | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 6.4 Multiplying decimals | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | 9.2 Perimeter and area of compound shapes | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 6.5 Dividing decimals | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | 9.3 Properties of 3D solids | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 6.6 Fractions, decimals and percentages | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | 9.4 Surface area | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 6.7 Working with percentages | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | 9.5 Volume | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| | | | | 9.6 Measures of area and volume | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Unit 7 – Equations | | | | | | | |
| 7.1 Solving one-step equations | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | | | |
| 7.2 Solving two-step equations | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | | | |
| 7.3 More complex equations | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | | | |
| 7.4 Trial and improvement | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | | | |