

## 8JBE End of year revision checklist – Delta 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 need to DO questions and test yourself. Reading notes is not enough.

	Grade yourself before starting? 1 – 5 ☹ ☺	Questions done	Confidence after revision 1 - 5 ☹ ☺
<b>Unit 1 – Factors and Powers</b>			
1.1 Prime factor decomposition	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
1.2 Laws of indices	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
1.3 Powers of ten	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
1.4 Calculating and estimating	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Unit 2 – Working with powers</b>			
2.1 Simplifying expressions	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2.2 More simplifying	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2.3 Expanding and factorising expressions	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2.4 Substituting and solving	<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 on, 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](http://www.mymaths.co.uk) [www.khanacademy.org](http://www.khanacademy.org) [www.mathsgenie.co.uk](http://www.mathsgenie.co.uk)  
[mathswatch.co.uk/vle](http://mathswatch.co.uk/vle)

	Grade yourself before starting? 1 – 5 ☹ ☺	Questions done	Confidence after revision 1 – 5 ☹
<b>Unit 3 – 2D shapes and 3D solids</b>			
3.1 Plans and elevations	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3.2 Surface area of prisms	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3.3 Volume of prisms	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3.4 Circumference of a circle	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3.5 Area of a circle	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3.6 Cylinders	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3.7 Pythagoras' Theorem	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Unit 4 – Real life graphs</b>			
4.1 Direct proportion	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4.2 Interpreting financial graphs	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4.3 Distance-time graphs	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4.4 Rates of change	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4.5 Misleading graphs	<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 – Transformations	☹ ☺		☹	Unit 8 – Probability	☹ ☺		☹
5.1 Reflection and translation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	8.1 Comparing probabilities	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5.2 Rotation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	8.2 Mutually exclusive events	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5.3 Enlargement	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	8.3 Drawing triangles accurately	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5.4 More enlargement	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	8.4 Estimating probability	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5.5 Combining transformations	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	8.5 Experimental probability	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5.6 2D shapes and 3D solids	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	8.6 Probability diagrams	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
				8.7 Tree diagrams	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Unit 6 – Fractions, decimals and percentages				Unit 10 – Graphs			
6.1 Recurring decimals	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	10.1 Plotting linear graphs	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6.2 Using percentages	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	10.2/3 The gradient and $y = mx + c$	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6.3 Percentage change	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	10.4 Parallel and perpendicular lines	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6.4 Repeated percentage change	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	10.5 Inverse functions	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Unit 7 – Constructions and loci				10.6 Non-linear graphs	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7.1 Accurate drawings	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				
7.2 Constructing shapes	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				
7.3 Constructions 1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				
7.4 Constructions 2	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				
7.5 Loci	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				