

## End of year revision checklist Maths – Year 10 Foundation GCSE

	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							
1.1 Calculations	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unit 3 – Graphs, tables and charts			
1.2 Decimal numbers	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3.1 Frequency tables	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
1.3 Place Value	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3.2 Two-way tables	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
1.4 Factors and Multiples	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3.3 Representing data	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
1.5 Squares, cubes and roots	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3.4 Time series	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
1.6 Index notation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3.5 Stem and leaf diagrams	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
1.7 Prime factors	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3.6 Pie charts	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
				3.7 Scatter graphs	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Unit 2 – Algebra				3.8 Line of best fit	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2.1 Algebraic expressions	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				
2.2 Simplifying expressions	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unit 4 – Fractions and percentages			
2.3 Substitution	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	4.1 Working with fractions	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2.4 Formulae	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	4.2 Operations with fractions	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2.5 Expanding brackets	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	4.3 Multiplying fractions	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2.6 Factorising	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	4.4 Dividing fractions	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2.7 Using expressions and formulae	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	4.5 Fractions and decimals	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
				4.6 Fractions and percentages	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
				4.7 Calculating percentages 1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
				4.8 Calculating percentages 2	<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 revision 1 – 5
Unit 5 – Equations, inequalities & sequences	☹	☹ ☺		Unit 8 – Perimeter, area & volume	☹	☹ ☺	
5.1-2 Solving equations 1 & 2	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	8.1 Rectangles, parallelograms and triangles	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5.3 Solving equations with brackets	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	8.2 Trapezia and changing units	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5.4 Introducing inequalities	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	8.3 Surface area of 3D solids	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5.5 More inequalities	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	8.4 Volume of prisms	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5.6 Using formulae	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	8.5 More volume and surface area	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5.7 Generating sequences	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unit 9 – Graphs			
5.8 Using the nth term of a sequence	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	9.1 Coordinates	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Unit 6 – Angles				9.2 Linear graphs	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6.1 Properties of shapes	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	9.3 Gradient	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6.2 Angles in parallel lines	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	9.4 $y = mx + c$	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6.3 Angles in triangles	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	9.5, 7 Real-life graphs	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6.4 Exterior and interior angles	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	9.6 Distance-time graphs	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6.5 Geometrical problems	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unit 10 – Transformations			
Unit 7 – Averages and range				10.1 Translation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7.1 Mean and range	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	10.2 Reflection	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7.2 Mode, median and range	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	10.3 Rotation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7.3 Types of averages	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	10.4 Enlargement	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7.4 Estimating the mean	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	10.5 Describing enlargements	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7.5 Sampling	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	10.6 Combining transformations	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

	Grade yourself before starting? 1 – 5	Questions done	Confidence after revision 1 – 5
Unit 11 – Ratio and proportion	☹	☹ ☺	
11.1 Writing ratios	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
11.2, 4 Using ratios 1 & 2	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
11.3 Ratios and measures	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
11.5 Comparing using ratios	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
11.6 Using proportion	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
11.7 Proportion and graphs	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
11.8 Proportion problems	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Unit 12 – Right-angles triangles			
12.1-2 Pythagoras' Theorem 1 & 2	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
12.3-6 Trigonometry – sine, cosine, tangent	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
12.7 Finding lengths & angles using trigonometry	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Unit 13 – Transformations			
13.1 Calculating probability	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
13.2 Two events	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
13.3 Experimental probability	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
13.4 Venn diagrams	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
13.5 Tree diagrams	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
13.6 More tree diagrams	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

	Grade yourself before starting? 1 – 5	Questions done	Confidence after revision 1 – 5
Unit 14 – Multiplicative reasoning	☹	☹ ☺	
14.1 Percentages	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
14.2 Growth and decay (compound interest etc)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
14.3 Compound measures	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
14.4 Distance, speed and time	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
14.5 Direct and inverse proportion	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

#### Exams:

Two tests – 1 calculator and 1 non-calculator.  
Each test 50 min + 25% extra time (12.5 mins) for those entitled to it.

The revision list indicates what you will be tested on.

#### Revision advice:

Remember, for Maths you need to DO questions and test yourself. Reading notes is not enough.

- 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.
- Whatever work you do, you need to know you're doing it right – so use the answers at the back of the book for any work you're doing from the textbook.
- Useful websites:
  - [www.mathsgenie.co.uk](http://www.mathsgenie.co.uk)
  - [www.mathsmadeeasy.co.uk](http://www.mathsmadeeasy.co.uk)
  - [www.mymaths.co.uk](http://www.mymaths.co.uk)
  - [www.khanacademy.org](http://www.khanacademy.org)
  - [mathswatch.co.uk/vle](http://mathswatch.co.uk/vle)