

Topic Tracker

Every GCSE Maths topic, grade by grade.
Tick it off as you learn it, practise it and master it.

 397 topics, Grades 1 to 9

 Learnt, practised, mastered: tick every topic

 A progress bar for every grade

Topic Tracker

Grades 1 to 9

Grade 3	Grade 5	Grade 7
Area of a Circle ☒ ☒ ☒	Compound Interest ☒ ☒ ☒	Surds ☒ ☒ ☐
Bearings ☒ ☒ ☐	Bounds ☒ ☒ ☒	Vectors ☒ ☐ ☐
Reflections ☒ ☐ ☐	Venn Diagrams ☒ ☒ ☐	Circle Theorems ☐ ☐ ☐

GRADE 5 PROGRESS



SECTION 01

How to use your tracker

One topic at a time, one grade at a time. Tick the boxes as you go and watch each grade fill up.

1

Start at the lowest grade you're not sure of

Foundation covers grades 1 to 5; Higher covers grades 4 to 9. Begin at the first grade where you can't tick everything off with confidence.

2

Tick Learnt

You've been taught it or watched a lesson, and you can follow a worked example.

3

Tick Practised

You've done a set of questions on it on your own, and checked your answers.

4

Tick Mastered, and write the date

You got exam questions on it right without help, on two different days. Write the date you mastered it.

5

Colour in the grade bar

At the end of each grade, colour one square for every topic you've mastered. When the bar is full, move up a grade.



Why the grade order matters. Topics at each grade build on the ones before. Solving quadratics at grade 7 uses the algebra from grades 4 and 5, so a gap lower down costs you marks higher up. Fill the lower bars first.

HOW THIS IS DIFFERENT FROM THE RAG SHEET

The RAG Sheet is a quick check of how confident you feel in each topic. This tracker is the long game: it follows every topic from first lesson to mastered, grade by grade.

TOPIC	LEARNT	PRACTISED	MASTERED	DATE MASTERED
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Grade 1 10 topics

BIDMAS with Numbers	☐	☐	☐	_____
Ordering Whole Numbers	☐	☐	☐	_____
Ordering Decimals	☐	☐	☐	_____
Ordering Negatives	☐	☐	☐	_____
Types of Angles	☐	☐	☐	_____
Angle Notation	☐	☐	☐	_____
Identifying 3D Shapes	☐	☐	☐	_____
Faces, Edges & Vertices	☐	☐	☐	_____
Lines of Symmetry	☐	☐	☐	_____
The Four Quadrants	☐	☐	☐	_____

Grade 1 progress

Colour a square for every
topic you've mastered

☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐

____ / 10

Grade 2 46 topics

Integers & Non Integers	☐	☐	☐	_____
Adding Integers	☐	☐	☐	_____
Subtracting Integers	☐	☐	☐	_____
Grid Method for Multiplication	☐	☐	☐	_____
Column Method for Multiplication	☐	☐	☐	_____
Lattice Method for Multiplication	☐	☐	☐	_____
Bus Stop Method for Division	☐	☐	☐	_____
Bus Stop Method with Large Numbers	☐	☐	☐	_____
Adding & Subtracting Negatives	☐	☐	☐	_____
Multiplying & Dividing Negatives	☐	☐	☐	_____
Simplifying Fractions	☐	☐	☐	_____
Writing Fractions as Mixed Numbers	☐	☐	☐	_____
Finding a Fraction of an Amount	☐	☐	☐	_____
Rounding to Decimal Places	☐	☐	☐	_____
Rounding to Nearest Power of 10	☐	☐	☐	_____
Truncating Decimals	☐	☐	☐	_____
Squaring & Square Rooting	☐	☐	☐	_____
Collecting Like Terms	☐	☐	☐	_____
Understanding Key Vocabulary	☐	☐	☐	_____
Function Machines	☐	☐	☐	_____
Identifying Regular Polygons	☐	☐	☐	_____
Types of Quadrilaterals	☐	☐	☐	_____
Types of Triangles	☐	☐	☐	_____
Triangle Angle & Side Naming Conventions	☐	☐	☐	_____

Grade 2 progress

Colour a square for every topic you've mastered

____ / 46

Square, Cube & Prime Numbers	☐	☐	☐	☐
Multiples & Factors	☐	☐	☐	☐
Lowest Common Multiple	☐	☐	☐	☐
Highest Common Factor	☐	☐	☐	☐
Expressing as a Fraction	☐	☐	☐	☐
Finding Fractions of Shapes	☐	☐	☐	☐
Multiplying Fractions	☐	☐	☐	☐
Dividing Fractions	☐	☐	☐	☐
Adding Decimals	☐	☐	☐	☐
Subtracting Decimals	☐	☐	☐	☐
Multiplying Decimals	☐	☐	☐	☐
Dividing Decimals	☐	☐	☐	☐
Percentage of an Amount	☐	☐	☐	☐
Percentage Change	☐	☐	☐	☐

TOPIC	LEARNT	PRACTISED	MASTERED	DATE MASTERED
One number as a Percentage of Another	☐	☐	☐	_____
Converting Decimals & Percentages	☐	☐	☐	_____
Writing Decimals & Percentages as Fractions	☐	☐	☐	_____
Writing Fractions as Decimals & Percentages	☐	☐	☐	_____
Converting Improper Fractions to Decimals	☐	☐	☐	_____
Rounding to Significant Figures	☐	☐	☐	_____
Powers Greater than Two	☐	☐	☐	_____
Multiplying Algebraic Terms	☐	☐	☐	_____
Substitution	☐	☐	☐	_____
Substituting Into Real-Life Formulae	☐	☐	☐	_____
Expanding Single Brackets	☐	☐	☐	_____
Fundamentals of Rearranging Equations	☐	☐	☐	_____
Fundamentals of Solving Equations	☐	☐	☐	_____
Fundamentals of Inequalities	☐	☐	☐	_____
Drawing Inequalities on Number Lines	☐	☐	☐	_____
Angles in Triangles	☐	☐	☐	_____
Angles in Quadrilaterals	☐	☐	☐	_____
Internal Angles in a Regular Polygon	☐	☐	☐	_____
External Angles in a Regular Polygon	☐	☐	☐	_____
Area of Trapeziums	☐	☐	☐	_____
Area of a Circle	☐	☐	☐	_____
Area of a Semi Circle	☐	☐	☐	_____
Perimeter of a Circle	☐	☐	☐	_____
Perimeter of a Semi Circle	☐	☐	☐	_____
Surface Area of Cubes & Cuboids	☐	☐	☐	_____
Identifying Plans & Elevations	☐	☐	☐	_____
Sketching Projections	☐	☐	☐	_____
Translations	☐	☐	☐	_____
Rotations	☐	☐	☐	_____
Reflections	☐	☐	☐	_____
Alternate Angles	☐	☐	☐	_____
Co-Interior Angles	☐	☐	☐	_____
Corresponding Angles	☐	☐	☐	_____
Scale Drawings	☐	☐	☐	_____
Key Circle Terms	☐	☐	☐	_____
Circumference of a Circle	☐	☐	☐	_____
Measuring Bearings	☐	☐	☐	_____
Writing Ratios as Fractions	☐	☐	☐	_____
Simplifying Ratios	☐	☐	☐	_____
Scaling Up Ratios	☐	☐	☐	_____
Calculating Price Changes	☐	☐	☐	_____

TOPIC	LEARNT	PRACTISED	MASTERED	DATE MASTERED
Types of Sequences	☐	☐	☐	_____
Nth Term of Linear Sequences	☐	☐	☐	_____
Position to Term Rule Using Patterns	☐	☐	☐	_____
Perimeter of Triangles	☐	☐	☐	_____
Perimeter of Trapeziums	☐	☐	☐	_____
Volume of Prisms	☐	☐	☐	_____
Enlargements with Positive Integer Scale Factors	☐	☐	☐	_____
Drawing a Locus of All Points	☐	☐	☐	_____
Drawing Perpendicular Bisectors	☐	☐	☐	_____
Drawing a Perpendicular Line from a Point	☐	☐	☐	_____
Drawing Angles Bisectors	☐	☐	☐	_____
Drawing a 60° Angle	☐	☐	☐	_____
Drawing a 90° Angle	☐	☐	☐	_____
Proportional Division	☐	☐	☐	_____
Using Ratio Differences	☐	☐	☐	_____
Direct Proportion Problems	☐	☐	☐	_____
Inverse Proportion Problems	☐	☐	☐	_____
Like for Like Comparisons	☐	☐	☐	_____
Pressure, Force & Area Calculations	☐	☐	☐	_____
Area Conversions	☐	☐	☐	_____
Volume Conversions	☐	☐	☐	_____
Time Conversions	☐	☐	☐	_____
Sample Space Diagrams	☐	☐	☐	_____
Calculating Probabilities	☐	☐	☐	_____
Expressing Probabilities in Different Forms	☐	☐	☐	_____
Fundamentals of Frequency Trees	☐	☐	☐	_____
Constructing Frequency Trees	☐	☐	☐	_____
Finding Probabilities with Frequency Trees	☐	☐	☐	_____
Fundamentals of Tree Diagrams	☐	☐	☐	_____
Constructing Tree Diagrams	☐	☐	☐	_____
Calculating Relative Frequency	☐	☐	☐	_____
Best Relative Frequency Estimates	☐	☐	☐	_____
Expected Frequency	☐	☐	☐	_____
Identifying Bias	☐	☐	☐	_____
Interpreting Ungrouped Frequency Tables	☐	☐	☐	_____
Mean, Mode, Median & Range from an Ungrouped Frequency Tables	☐	☐	☐	_____
Working with Tally Charts	☐	☐	☐	_____
Sketching Frequency Polygons	☐	☐	☐	_____
Identifying Mistakes with Frequency Polygons	☐	☐	☐	_____
Relative Frequency Graphs	☐	☐	☐	_____
Lines of Best Fit & Predicting Values	☐	☐	☐	_____

Grade 4 progress
 Colour a square for every
 topic you've mastered

_____ / **66**

Rational & Irrational Numbers	☐	☐	☐	☐
Venn Diagram Method	☐	☐	☐	☐
Reverse Percentages	☐	☐	☐	☐
Identifying Percentage Changes	☐	☐	☐	☐
Applied Estimating	☐	☐	☐	☐
Finding Bounds & Error Intervals	☐	☐	☐	☐
Bounds & Error Intervals for Truncated Decimals	☐	☐	☐	☐
Bounds Requiring Integer Values	☐	☐	☐	☐
Adding & Subtracting in Standard Form	☐	☐	☐	☐
Multiplying & Dividing in Standard Form	☐	☐	☐	☐
Negative Powers	☐	☐	☐	☐
Factorising Double Brackets	☐	☐	☐	☐
Difference of Two Squares	☐	☐	☐	☐
Solving Quadratics by Factorising when $a=1$	☐	☐	☐	☐
Solving Quadratics by Factorising when $c=0$	☐	☐	☐	☐
Solving Single Inequalities	☐	☐	☐	☐
Solving Compound Inequalities	☐	☐	☐	☐
Solving Linear Simultaneous Equations	☐	☐	☐	☐
Applied Simultaneous Equations Problems	☐	☐	☐	☐
Proving Equivalence	☐	☐	☐	☐
Proof with Multiples	☐	☐	☐	☐
Proof by Counter Example	☐	☐	☐	☐
Deciding if a Term is in a Sequence	☐	☐	☐	☐
Finding Terms in a Fibonacci Sequence	☐	☐	☐	☐
Finding Side Lengths of Compound Shapes	☐	☐	☐	☐
Perimeter of Compound Shapes	☐	☐	☐	☐

TOPIC	LEARNT	PRACTISED	MASTERED	DATE MASTERED
Area of Compound Shapes	☐	☐	☐	_____
Volume of Cylinders	☐	☐	☐	_____
Volume of Cones	☐	☐	☐	_____
Volume of Pyramids	☐	☐	☐	_____
Volume of Spheres	☐	☐	☐	_____
Volumes of Composite Shapes	☐	☐	☐	_____
Surface Area of Prisms	☐	☐	☐	_____
Surface Area of Cylinders	☐	☐	☐	_____
Surface Area of Cones	☐	☐	☐	_____
Surface Area of Pyramids	☐	☐	☐	_____
Surface Area of Spheres	☐	☐	☐	_____
Surface Area of Composite Shapes	☐	☐	☐	_____
Enlargements with Positive Fractional Scale Factors	☐	☐	☐	_____
Invariant Points	☐	☐	☐	_____
Calculating Scale Factor	☐	☐	☐	_____
Similar Side Lengths	☐	☐	☐	_____
Identifying Congruent Triangles	☐	☐	☐	_____
Area of a Circle Sector	☐	☐	☐	_____
Length of a Circle Arc	☐	☐	☐	_____
Problem Solving with Bearings	☐	☐	☐	_____
Column Vectors & Vector Arithmetic	☐	☐	☐	_____
Fundamentals of Vector Problems	☐	☐	☐	_____
Expressing Ratios as Linear Equations	☐	☐	☐	_____
Profit & Loss	☐	☐	☐	_____
Applied Best Buys	☐	☐	☐	_____
Percentage Multipliers	☐	☐	☐	_____
Compound Interest	☐	☐	☐	_____
Compound Decay	☐	☐	☐	_____
Converting Compound Measures	☐	☐	☐	_____
Currency Conversions	☐	☐	☐	_____
And/Or Rules	☐	☐	☐	_____
Fundamentals of Set Notation	☐	☐	☐	_____
Sets & Venn Diagrams	☐	☐	☐	_____
Finding Probabilities of Sets	☐	☐	☐	_____
Fundamentals of Venn Diagrams	☐	☐	☐	_____
Constructing Venn Diagrams	☐	☐	☐	_____
Finding Probabilities with Venn Diagrams	☐	☐	☐	_____
Finding Probabilities with Tree Diagrams	☐	☐	☐	_____
Finding Probabilities with Two Way Tables	☐	☐	☐	_____
Reverse Mean from a List	☐	☐	☐	_____
Interpreting Grouped Frequency Tables	☐	☐	☐	_____

[illegible]

Estimating Roots	☐	☐	☐	☐
Fractions with Negative Powers	☐	☐	☐	☐
Rearranging Harder Equations	☐	☐	☐	☐
Solving Harder Equations	☐	☐	☐	☐
Fundamentals of Functions	☐	☐	☐	☐
Simplifying Algebraic Fractions	☐	☐	☐	☐

TOPIC	LEARNT	PRACTISED	MASTERED	DATE MASTERED
Area of Triangles ($\frac{1}{2}ab\sin C$)	☐	☐	☐	_____
Enlargements with Negative Integer Scale Factors	☐	☐	☐	_____
Combining Ratios	☐	☐	☐	_____
Independence	☐	☐	☐	_____
Calculating Combinations	☐	☐	☐	_____
Capture-Recapture	☐	☐	☐	_____
Filling In Cumulative Frequency Tables	☐	☐	☐	_____
Plotting Cumulative Frequency Graphs	☐	☐	☐	_____
Drawing Box Plots	☐	☐	☐	_____
Comparing Data Using Box Plots	☐	☐	☐	_____
Benefits of IQR & Range	☐	☐	☐	_____
Key Regions on Speed-Time Graphs	☐	☐	☐	_____
Similar Areas	☐	☐	☐	_____
Similar Volumes	☐	☐	☐	_____
Calculating Acceleration using Speed-Time Graphs	☐	☐	☐	_____

Grade 6 progress

Colour a square for every
topic you've mastered

☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐

____ / 21

Grade 7 53 topics

Writing Recurring Decimals as Fractions	☐	☐	☐	_____
Writing Fractions as Recurring Decimals	☐	☐	☐	_____
Bounds & Error Intervals Involving Calculations	☐	☐	☐	_____
Fractional Powers	☐	☐	☐	_____
Six Laws of Surds	☐	☐	☐	_____
Rationalising of the Form $\frac{1}{\sqrt{a}}$	☐	☐	☐	_____
Expanding Brackets with Surds	☐	☐	☐	_____
Expanding Triple Brackets	☐	☐	☐	_____
Equating Coefficients	☐	☐	☐	_____
Solving Quadratics with the Quadratic Formula	☐	☐	☐	_____
Solving Quadratics by Factorising ($a > 1$)	☐	☐	☐	_____
Composite Functions	☐	☐	☐	_____
Inverse Functions	☐	☐	☐	_____
Iteration Equations	☐	☐	☐	_____
Proof with Even Numbers	☐	☐	☐	_____
Proof with Odd Numbers	☐	☐	☐	_____
Proof with Square Numbers	☐	☐	☐	_____
Nth Term of Quadratic Sequences	☐	☐	☐	_____
Volume of Frustums	☐	☐	☐	_____
Surface Area of Frustums	☐	☐	☐	_____
Algebraic Direct Proportion	☐	☐	☐	_____

Grade 7 progress
 Colour a square for every
 topic you've mastered

_____ / **53**

Combining Upper & Lower Bounds	☐	☐	☐	_____
Simplifying Surds	☐	☐	☐	_____
Solving Quadratics by Completing the Square (a=1)	☐	☐	☐	_____

[illegible]

Rationalising of the Form $A + \sqrt{B}$	☐	☐	☐	_____
Solving Quadratics By Completing the Square ($a > 1$)	☐	☐	☐	_____
Solving Quadratic Inequalities	☐	☐	☐	_____
Vector Ratio Problems	☐	☐	☐	_____
Vectors Along a Straight line	☐	☐	☐	_____
Finding Equations of Tangents to Circles	☐	☐	☐	_____
Estimating Areas Under Curves	☐	☐	☐	_____

Grade 9 progress

Colour a square for every topic you've mastered

____ / 7

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