

# Foundation Tier Master Checklist

Comprehensive syllabus tracker covering Grades 1 to 5.

**How to use:** Rate your confidence in each topic.

**R** = Red (Needs heavy revision) | **A** = Amber (Needs practice) | **G** = Green (Exam ready)

## Number

| Topic                                                  | R                        | A                        | G                        |
|--------------------------------------------------------|--------------------------|--------------------------|--------------------------|
| BIDMAS & The 4 Operations                              | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Directed Numbers (Positives & Negatives)               | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Decimals (Adding, Subtracting, Multiplying, Dividing)  | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Fractions (Adding, Subtracting, Multiplying, Dividing) | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Fraction, Decimal & Percentage Equivalence             | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Percentages (Basic, Multipliers & Reverse)             | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Factors, Multiples & Primes (Prime Factorisation)      | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| HCF & LCM                                              | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Squares, Cubes & Roots                                 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Index Laws (Basic Rules)                               | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Standard Form (Converting & Calculating)               | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Rounding, Estimation & Error Intervals                 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

## Algebra

| Topic                                        | R | A | G |
|----------------------------------------------|---|---|---|
| Algebraic Notation & Simplifying Expressions |   |   |   |

| Topic                                                     | R                        | A                        | G                        |
|-----------------------------------------------------------|--------------------------|--------------------------|--------------------------|
|                                                           | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Expanding Single Brackets                                 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Factorising (Single Brackets)                             | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Solving Linear Equations                                  | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Solving Basic Inequalities & Representing on Number Lines | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Sequences (Finding the nth term of a linear sequence)     | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Coordinates & Midpoints                                   | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Linear Graphs ( $y = mx + c$ )                            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

## Ratio, Proportion & Rates of Change

| Topic                                            | R                        | A                        | G                        |
|--------------------------------------------------|--------------------------|--------------------------|--------------------------|
| Simplifying Ratios                               | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Sharing in a Ratio                               | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Direct & Inverse Proportion (Recipes, Best Buys) | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Compound Measures (Speed, Density, Pressure)     | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Percentage Change                                | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

## Geometry & Measures

| Topic                                                              | R                        | A                        | G                        |
|--------------------------------------------------------------------|--------------------------|--------------------------|--------------------------|
| Properties of 2D & 3D Shapes                                       | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Area & Perimeter (Rectangles, Triangles, Parallelograms, Trapezia) | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Area & Circumference of Circles                                    | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

| Topic                                                            | R                        | A                        | G                        |
|------------------------------------------------------------------|--------------------------|--------------------------|--------------------------|
| Volume & Surface Area (Prisms & Cylinders)                       | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Angles (Parallel Lines, Triangles, Quadrilaterals)               | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Interior & Exterior Angles of Polygons                           | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Pythagoras' Theorem                                              | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Basic Trigonometry (SOHCAHTOA)                                   | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Transformations (Translation, Rotation, Reflection, Enlargement) | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Bearings & Scale Drawings                                        | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

## Statistics

| Topic                                 | R                        | A                        | G                        |
|---------------------------------------|--------------------------|--------------------------|--------------------------|
| Mean, Median, Mode & Range            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Averages from Frequency Tables        | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Scatter Graphs & Correlation          | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Bar Charts, Pie Charts, & Line Graphs | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Stem and Leaf Diagrams                | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

## Probability

| Topic                                                 | R                        | A                        | G                        |
|-------------------------------------------------------|--------------------------|--------------------------|--------------------------|
| The Probability Scale (0 to 1)                        | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Expected Outcomes & Relative Frequency                | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Mutually Exclusive Events (Probabilities adding to 1) | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Listing Outcomes & Sample Spaces                      | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

| Topic                                    | R                        | A                        | G                        |
|------------------------------------------|--------------------------|--------------------------|--------------------------|
| Independent Events (Basic Tree Diagrams) | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |