**Key topics for success in GCSE Maths**

The lists below contain key topics for success in GCSE Maths. They are split into 3 categories; 20 key topics for foundation, 20 key topics for higher and 20 key topics that apply to both tiers (the ‘crossover’20). These lists contain 20 of the topics that appear most frequently in exams.

To help you improve your skills at answering exam questions on these topics use the Corbett Maths videos and practice questions to help.

***Crossover 20***

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| # | **Topic** | **Corbett Maths** |  | # | **Topic** | **Corbett Maths** |
| 1 | Best value | 210 | 11 | Trigonometry | 329-331, 341 |
| 2 | Rounding estimation and error intervals | 276-280, 215, 377 | 12 | Angles in parallel lines | 25, 37, 35 |
| 3 | Ratio | 269-271 | 13 | Pie charts | 163, 164 |
| 4 | Standard form | 300-303 | 14 | Probability trees | 252 |
| 5 | Index laws | 172,174 | 15 | Venn diagrams | 380 |
| 6 | Expanding and factoring | 13, 14, 117, 118 | 16 | Circles | 59, 60, 61 |
| 7 | Averages from tables | 51, 52 | 17 | Surface area & volume | 355-358, 309-312 |
| 8 | Scatter graphs | 165-168 |  | 18 | Transformations | 104, 272, 275, 326, 325 |
| 9 | Straight line graphs | 186, 187, 188, 191 |  | 19 | Sequences | 286-290, 388 |
| 10 | Pythagoras’ theorem | 257, 261 |  | 20 | Equations (including simultaneous) | 110, 111, 295 |

 ***Foundation 20 Higher 20***

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| # | **Topic** | **Corbett Maths** |  | # | **Topic** | **Corbett Maths** |
| 1 | Fractions | 132-137 | 1 | Recurring decimals into fractions | 96 |
| 2 | Percentages of an amount | 125, 126, 234, 235 | 2 | Negative and fractional Indices | 173, 175 |
| 3 | Simplifying ratios | 269 | 3 | Direct and inverse proportion | 254,255 |
| 4 | Symmetry | 316, 317 | 4 | Surds | 305-308 |
| 5 | Area and perimeter | 43, 242 | 5 | Functions | 369, 370 |
| 6 | Time problems | 322 | 6 | Iteration | 373 |
| 7 | Averages and range | 50, 53, 56, 57 | 7 | Algebraic proof | 365, 366 |
| 8 | Number facts | 216, 220, 225, 226, 228 |  | 8 | Rearrange formulae | 7-8 |
| 9 | Simplifying | 9 |  | 9 | Equation of a tangent to a circle | 372 |
| 10 | Substitution | 20 |  | 10 | Transform functions | 323 |
| 11 | Speed / distance / time | 299 |  | 11 | Algebraic fractions | 21-24 |
| 12 | Reading a table | 387 |  | 12 | Solve quadratics | 266-267 |
| 13 | Bar charts / Pictograms | 147, 148, 161, 162 |  | 13 | Non-Linear graphs | 344-346, 264-265 |
| 14 | Probability (scale & fractions) | 245, 251, 253 |  | 14 | Vectors | 353 |
| 15 | Rounding | 276-278 |  | 15 | Circle theorems | 64-65 |
| 16 | Plans and elevations | 354 |  | 16 | Nonlinear trigonometry | 333-337 |
| 17 | Angle problems | 34, 35, 37 |  | 17 | Similar area and volume | 291-293 |
| 18 | Negative numbers | 205-209 |  | 18 | Velocity time graphs |  |
| 19 | Indices-numeric | 172 |  | 19 | Cumulative frequency & box plots | 149-154 |
| 20 | Estimation | 215 |  | 20 | Histograms | 157-159 |