

FOUNDATION REVISION LIST :

You will sit three GCSE papers 1: paper 1 is non-calculator and papers 2 & 3 are calculator allowed.

The topics shown below are **all** the main topics required for the Foundation Tier GCSE Maths exam

You should RAG rate your understanding of each of these, based on your PLCs from year 10 then spend longer working on your red and amber topics.

To revise you should

- Prioritise topics you got wrong in your last assessment (see your PLC)
Using either Corbettmaths or Dr Frost
 - watch the video & make revision notes
 - do the practice questions and mark them
- Practice topics at the grade you are aiming for using the Mathsgenie website

TOPIC	CORBETTMATHS	R	A	G
Add subtract, multiply & divide whole numbers	199,200,98,6,304			
Place value	222			
Order decimals	95			
Add subtract, multiply & divide decimals	90,91,92,93,94			
Manipulate decimal calculations	222a			
Adding, subtracting, multiplying & dividing fractions & mixed numbers	133, 134, 142			
Convert between improper fractions & mixed numbers	139, 140			
Fractions of an amount	137,141, 143			
Compare fractions	144			
Reverse fractions	138			
Reciprocals	145			
% of quantities with and without a calculator	234,235, 238, 239			
Write one quantity as a fraction or % of another	136, 233, 237			
Compound interest	236			
Reverse %	240			
Change between fractions, decimals & %	121 - 129			
Rounding & estimation	276, 277ab, 278, 215			
Limits of accuracy & error intervals	280, 377			
BIDMAS	211			
Prime numbers & product of prime factors	225, 223			
Multiples, factors, HCF & LCM	220,216, 218, 219, 224			
Indices	172, 174			
Square numbers, cube numbers, roots, triangular numbers	226 - 229			
Ratio	269 - 271			
Best buys	210			
Currency	214a			
Recipes	256			
Standard form	300 - 303			
Negative numbers	205-209			
Use of a calculator	352			
Coordinates	84, 85, 87			
Writing expressions	16			
Simplifying expressions	9, 18, 11			
Substitution	20			
Sequences	286 - 290			
		R	A	G
Expanding single & double brackets	13, 14			
Factorising	117, 118			

Solving equations	110, 113			
Forming equations	114, 115			
Inequalities	177, 178, 179			
Conversion graphs	151			
Straight line graphs	189, 191, 192, 193, 194, 196, 198			
Quadratic graphs	264			
Rearranging formulae	7			
Simultaneous equations	295			
Direct proportion	254			
Names & properties of 2D & 3D shapes	1, 2, 3, 327			
Faces, edges, vertices	5			
Nets, plans & elevations	4, 354			
Measure & draw angles & types of angle	28, 31, 38			
Angle facts	30, 34, 35, 39			
Angles in triangles & quadrilaterals	33, 37			
Angles in parallel lines	25			
Angles in polygons	32			
Tessellation	36			
Bearings & map scale	26, 27, 27a, 283			
Perimeter	241, 242			
Area of rectangles, triangles & compound shapes	43, 45, 49, 41, 42, 43			
Area of parallelogram & trapezium	44, 48			
Circumference & area of a circle & parts of a circle	46, 47, 58, 59, 60, 61, 62			
Volume of cuboid & prisms	355, 356			
Surface area	310, 311, 312			
Volume & surface area of a cylinder	315, 357			
Line & rotational symmetry	316, 317			
Transformations	325, 326, 272, 273, 275, 104, 105			
Invariant points	392			
Similar & congruent shapes	291, 292, 66			
Construction & loci	72, 78, 83, 75, 76, 77			
Metric & imperial units	347, 348, 349			
Speed, distance, time & d/t graphs	299, 171			
Time calculations, Timetables & distance charts	320, 322, 318			
Pressure & density	385, 385			
Pythagoras	257			
Trigonometry	329, 330, 331, 341			
Vectors	353a			
Two-way tables	319			
Pictograms & bar charts	161, 162, 147, 148			
Time series graphs	160			
Pie charts	163, 164			
Scatter graphs	165 – 168			
Listing outcomes & product rule for counting	253, 383			
Probability	245, 246, 248, 249, 250, 251			
Venn diagrams	380			
Frequency trees	376			
Tree diagrams	252			
Averages & range	56, 50, 53, 57			
Averages from a table	51, 52, 54, 55			