

<https://mathsgenie.co.uk/gcse.html>

1. Choose a topic to revise (from analysis of previous tests)
2. Find your chosen topic in the list of topics: topics are graded
3. Watch the video and make notes
4. Practice, practice, practice : use the exam questions
5. Mark your work – any issues see your Maths teacher

www.corbettmaths.com

1. go to videos and worksheets
2. find your TOPIC
3. watch the video and make notes
4. open the practice questions and do at least 3 from different parts of the sheet
5. 'click here for answer' is a link on the page
6. Mark your work
7. Bring to your teacher and discuss any issues

<https://mathsmadeeasy.co.uk/gcse-maths-revision/aqa-past-papers/>

1. Choose a paper at your tier: foundation or higher
2. Complete the paper in exam conditions in 1 and a half hours
3. If you ran out of time, change the colour of your pen and then complete the rest of the questions
4. Mark your work in GREEN using the ANSWER document and model answers provided
5. Bring your work to your teacher and discuss any issues

TOPIC Higher 1	DFM	Corbett
Recurring decimal to fraction	277	96
Draw loci	285	75-77
Mixed number subtraction	103f	133
Square a decimal	123a	94
Number of faces on a prism	143c	5
Fraction to decimal by division without a calculator	173a	127
Inverse proportion maths problem	176m	255
Estimate a calculation by rounding to 1 sf, exact trig values	188, 412a	215, 341
Use of index laws maths problem	194, 198	172-175
Substitute into an algebraic expression	196a	20
Geometric progression	203m	375
Fibonacci sequence	203p	287a
Mode, median and range understanding	207a,b,c	50, 56,57
Radius from circumference, equation of a circle	209d, 446d	60, 12
Area of circles in terms of pi	210c	59
Calculate the cross section area from volume and length	231b	356
Complete Venn diagram, percentage of an amount, fraction of an amount	242d	380, 137, 234
Equation of a straight line given 2 coordinates	272i	195
Expand triple brackets	300b	15
Represent an inequality on a number line	309b	177
Error interval for truncation	310d	377
Divide surds	335f	305
Solve linear inequality	339f	179
Column vector addition maths problem	373h	353a
Enlargement with negative fractional scale factor	376b	107, 108
Rationalise a surd	392a	307
Completing the square (a=1)	413a	10
Turning point from completing the square	416a	371
Function machines	432c	386
Tan graph	434e	340
Graph transformations	448, 449	323
Cosine rule (critique a calculation)	466a	335

TOPIC Higher 2	DFM	Corbett
Lines of symmetry	81	316
Multiply algebraic terms	191	18

Circle theorems	442	64, 65
Geometric proof	444	65a-f, 366
Name of parts of circles and the connection the relationship between them	141, 317a	61
Set up an equation with angles, Angles in parallel lines	150, 262, 259	115, 25
Compare data average and spread	207h	57c
Reverse percentages	223b	240
Divide in a given ratio	225b	270
Relative frequency	251f	248
Map scales	283f	283
Pythagoras theorem	288b	257
Expand double brackets, solve a quadratic equation	299c, 417	14, 267
Error interval	310e	377
Estimate of the mean for a grouped frequency table.	312c	55
Missing length and missing angles using right-angled trigonometry	321c, 322b	330, 331
Similar shapes (area scale factor)	324b	293a
Volume from density	328c	384
Repeated percentage change	359b	239
Understand inverse proportion	386d	255
Draw a cumulative frequency curve.	398c	153
Complete the square for the turning point of a quadratic	413a, 416a	371
Iteration	441c	373
Gradient of perpendicular lines	445b	232
Area under a graph	460c	389
Area under a graph (over or under estimate)	460g	389
Instantaneous Rate of Change	461b	390a
Best estimate of probability from relative frequency	na	248

TOPIC	DFM	Corbett
Remainder maths problem	91	103
Best Buy Maths problem	176	210
Inverse and direct proportion effects of doubling	386	254, 255
Time series graphs	400	382
Exponential graphs	425	345
Inverse proportion graph	569	255, 255b
Reciprocal of an improper fraction	159d	145
Write a formula	198d	16
Writing a ratio n:1	224e	271c
Factorise into a single bracket	253c	117
Rearrange formula including square roots	260i	7

Draw linear graphs	272a	192, 193
Bounds form rounding	310a	183
Volume from density maths problem	328c	384
Complete a probability tree diagram	353a	247
Probability form a tree diagram	353d	252
Conditional probability	354b, c	247
Repeated percentage change	359b, c	236
Factorise a quadratic ($a > 1$)	364a	119
Direct proportion with squares	386c	254
Draw a histogram	401a	157
Points of intersection (quadratic and linear)	419a	298
Sine rule	465a	333
Division remainders in context	91d	103
Plans and elevations	na	354
Plans and elevations	na	354

TOPIC Foundation Paper 1	DFM	Corbett
Improper Fraction to Mixed Number	101a	139
Mixed number subtraction	103f	133
Simple Proportion	108c	255a
Square a decimal	123a	94
Number of faces on a prism	143c	5
Coordinates problem	152n	87, 198
Negative numbers	155m	205
Square root	157c	228
Fraction Decimal Percentage equivalence	175d	131
Calculate speed using ratio table	176d	299
Inverse proportion maths problem	176m	255
Multiply algebraic terms	191c	18
Collect like terms	193c	9
Geometric progression	203m	375
Fibonacci sequence	203p	287a
Mode, median and range understanding	207a,b,c	50, 56,57
Area of circles in terms of pi	210c	59
Percentage decrease maths problem	220a	238
Write a ration in the form n:1	224e	271c
Divide an amount in a given ratio	225a	270
Calculate the cross section area from volume and length	231b	356
Frequency Tree	241b	376
Probability from a sample space diagram	249d	246
Congruent shapes	290a	66

Enlarge by fractional scale factor	297b	107
Powers of 10	301b	172
Exact trig values	412a	341
Function machines	432c	386
Addition and subtraction money problem	50d	400c
Multiples	52d	220
Factors	53c	216
Add fractions with the same denominator	56a	132
Draw bar charts	65c	147
Cube Numbers	88d	212
Prime numbers, sample space diagram	97a, 249b	225, 246
Simplify fractions	98d	146
Draw a square and a semi circle	na	na

TOPIC Foundation 2	DFM	Corbett
Lines of symmetry	81	316
Multiply algebraic terms	191	18
Interpret a pie chart	246	164
Draw a real life graph (flow of water)	332	198a
Systematic listing of options	380	253
Angles on a straight line	110a	35
Angles around a point	110b	30
Simple proportion	128l	255a
Work out the mean from a list of data	132a	53
Vertically opposite angles, angles in a triangle	147b, 149a	39, 37
Coordinates	152b	84
Plot a coordinate to form a rhombus	152h	85
Convert a fraction to a decimal with a calculator	172f	127
Convert a fraction to a percentage with a calculator	172g	237
Simplify an algebraic expression	192d	11
Substitute into an algebraic expressions	196a	20
Solve one step equation	199b	110
Solve one step equation	199b	110
Rearrange a formulae (1 step)	201a	7
Next term in an increasing linear sequence	203h	287
Next term in a decreasing linear sequence	203k	287
Next term in a geometric sequence	203m	375
Work out the range from a list of data	207c	57
Reverse percentages	223b	240
Relative frequency	251f	248

Expand a single bracket, collect like terms	252a, 193a	13, 9
Set up and solve a linear equation (unknown both sides)	257a	115
Coordinates of a mid point	265a	87
Map scales	283f	283
Pythagoras theorem	288b	257
Understand inequality signs	309a	176
Error interval	310e	377
Complete a pictogram	31c	161
Right angled triangle trigonometry to find a missing length	321c	330
Volume from density	328c	384
Interpret the gradient of a real life graph	332c	198a
Understand inverse proportion	386d	255
Addition and subtraction money maths problem	50b	400b
Multiplication and division maths problem	50e	199
Conversion between units of time	59b,c	322
Best estimate of probability from relative frequency	na	248

TOPIC	DFM	Corbett
Time calculation	61	322
Interpret a Venn diagram	242	380
Time series graphs	400	382
Metric conversion mm to cm	107b	349a
Division maths problem	127e	400b
Simple Proportion	128a	256
Simple Proportion	128l	255a
Function machine work out the output	133a	386
Addition and subtraction maths problem	133a	386
Function machine work out the input	133b	386
Perimeter and area of rectangles maths problem	138e	45, 241
Order fractions including mixed numbers and improper fractions	175d	131
Know the meanings of algebraic names	190a	367a
Collect like terms	193a	9
Substitute into a formula (critique method)	196b	20
Write a formula	198d	16
Solve one step equation	199d	110
Median form a list of numbers	207b	50
Express an amount as a percentage	214a	237
Writing a ratio n:1	224e	271c
Solve an equation with a bracket	254a	13
Set up and solve an equation	259c	115

Draw linear graphs	272a	192, 193
Rotational symmetry	280a	317
Bounds form rounding	310a	183
Repeated percentage change	359c	238
Fraction of an amount	57e	137
Fraction of an amount, divide in a given ratio	57e, 224a	137, 270
Line symmetry	78b	316
Order numbers (negatives and decimals)	86f	95, 208
Square a number	88d	226
Division remainders in context	91d	103
Interpret a composite bar chart	na	148a
Plans and elevations	na	354