

Topic	HIGHER GCSE REVISION	Grade	Hegarty Maths Video Number	Date to Revise	Revised ✓
Types of number	Types of number	5	99, 100, 101	20/04	
	BIDMAS	3	24, 44, 120, 150		
	Multiples, factors, prime factors	3,4	27, 31, 32, 33, 34, 35,		
	LCM, HCF	5	36		
Fractions	Equivalent fractions	3	59, 61, 63, 64	27/04	
	Multiplication & division of fractions	3	67-72		
	Addition & subtraction of fractions	4	65, 66		
Fractions	Fractions of amounts	3	62, 77-80	04/05	
	Fractions, decimals, percentages ordering	3	45-46, 60, 73-76		
	Fractions & recurring decimals	7	53, 54		
Rounding	Rounding & significant figures	3	17, 56, 134, 130	11/05	
	Estimating	4	129, 131-133, 111-112		
	Upper & lower bounds	7	137-139, 777		
Indices	Numbers into standard form	4	121-124	18/05	
	$x$ , $\div$ , $+$ & $-$ in standard form	5	125-128		
Basic algebra	Basic rules	3	151-159 175	25/05	
	Powers & roots	5	173-174, 102-107		
	Negative & fractional powers	7	108-110		
Simplifying terms	Expand single brackets	3	160-161	08/06 & 15/06	
	Expand double brackets (triple brackets)	4,7	162-164, 166		
	Factorise expressions (1 bracket)	4	167-171, 221, 223-228		
	Factorise quadratic expressions (2 brackets)	6	165		
	Difference of two squares	6			
Sequences	$n$ th term for linear sequences	4	196-198	22/06	
	$n$ th term for quadratic sequences	7	247-250		
	Types of sequences, eg Fibonacci	3	261, 263, 264, 247		
Solving equations 1	Solve equations	4	176-186, 188-189	29/06	
	Solve equations with fractions	5	187		
	Rearrange formulas	5	280-287		
Solving equations 2	Factorising quadratics	5,7	231-233	06/07	
	Quadratic formula	7	241-242		
	Completing the square	8	235-239		
Ratio	Ratio in simplest form	3	328-331	13/07	
	Dividing in a given ratio	4	332-334		
	Solve ratio problems given	4	332-338		
	Direct & inverse proportion	7	339-348, 325-327		
Percentages	Percentage increase & decrease	3	84-90	07/09	
	Reverse percentage	4	96		
	Simple & compound interest	5	91-95		
Simultaneous equations	Simultaneous equations by elimination	5	190-195	14/09	
	Simultaneous equations by substitution	8	246		
	Simultaneous equations using a graph	8	259-260		
Inequalities	Solve linear inequality in 1 or 2 variables	5	269-272	21/09	
	Draw solutions on a number line	4	265-268		
	Quadratic inequalities	8	277		
	Graphical inequalities	6	273-276		
Angles	Corresponding, alternate & interior angles	3	487, 560	28/09	
	Interior & exterior angles of regular polygons	3	561-564		
	Properties of triangles & quadrilaterals	3	822-828		
Algebraic fractions	Simplify algebraic fractions	6	224, 229	05/10	
	Multiply & divide algebraic fractions	8			
	Add & subtract algebraic fractions	8			
Averages	Mean, median, mode & range for table	4	404-410, 413-420	12/10	
	Mean, median & mode for grouped data	5			
Pythagoras' & trig	Pythagoras' theorem	4	497-499, 501-502	19/10	
	SOH CAH TOA	6	508-515, 306, 845-853		
	Common values for trig	7	Corbett Vid 341		
Graphs	Gradient & intercept of straight line graphs	3	201-204	02/11	
	$y = mx + c$	4,5	208-213		
	Drawing straight line graphs	4	205-207		

	Parallel & perpendicular lines	5,7	214-216		
	Quadratic graphs	5	251-257		
	Solutions of quadratic graphs	7	217, 218-220		
	Turning points and discriminant	9	256, 243, 258		
Graphs	Cubic graphs	5,6,7	298-301	09/11	
	Reciprocal, exponential & circle graphs	7	778-779, 314-320, 800-803		
	Trigonometric graphs	8	303-306		
	Transforming graphs $y=f(x)$	7,8	307-313		
Real life graphs	Real life graphs	6	712-713, 897-902	16/11	
	Distance time graphs	3	874-880		
	Velocity time graphs	6	881-886		
	Gradient of real life graphs	5,7,8	887-890, 894-896		
Surds	Simplify surds	7	113-117	23/11	
	Rationalise the denominator of surds	8	118-119		
Iterations	Solving equations using iteration	7	322-323	30/11	
Compound measures	Speed, density, pressure	3, 4	716-733, 737-738	07/12	
Probability	Probability basics	3	349-354	04/01	
	Relative frequency	4	355-357		
	Probability of two events & frequency trees	4	358-360, 368-369		
	Tree diagrams	7	360-363		
	Conditional probability	8	364-390		
	Product rule for counting	7	671-673		
Circle theorems	Circle terms	8	592-606, 816-820	11/01	
	Circle theorems	8	116-18		
Congruence & similarity	Congruent shapes	6	684-690	18/01	
	Similar shapes	6	608-621		
Transformations	Reflection, rotation, translation	3	637-657	25/01	
	Enlargement, fractional & negative scale factors		646-647		
Area, perimeter & volume	Area & perimeter of triangle & quadrilaterals	3	549-559	01/02	
	Area & circumference of circles & semicircles	3	534-541		
	Length of arcs & area of sectors	6	544-547		
Volume & surface area	Volume & surface areas of cuboids, prisms & cylinders	3 5	568-575, 584-591	08/02	
	Volume & surface area of pyramids, spheres & cones using a formula		576-582, 578, 583		
Loci	Drawing loci, construct perpendicular bisectors, angle bisectors & triangles	4 4	660-669, 674-679	22/02	
	Bearings	3	492-496		
Pythagoras & trigonometry	Sine & cosine rules	7	521-533	01/03	
	3D Pythagoras	8	505-507		
	3D trigonometry	8	854-863		
	Area of triangles using $\frac{1}{2} ab \sin C$	8	517-519		
Vectors	Vectors	6	527-636	08/03	
	Find the midpoint of a line using vectors	8			
Proof	Showing odd or even	6	325-327	15/03	
	Using a counter example	4	324		
Venn diagrams	Set notation	5	370-380, 384	22/03	
	Venn diagrams	8	385-388, 391		
Sampling	Sampling and bias	4	392-398	29/03	
	Data collection	3	399-403		
Functions	Evaluating functions	6	288-289	19/04	
	Composite functions	8	293-294		
	Inverse functions	8	295-296		
Cumulative frequency	Cumulative frequency diagrams	6	437-439	26/04	
	Median & quartiles	6	411-412		
	Box plots	6	434-436, 440		
Histograms	Histograms	7, 8	442-449	03/05	
Charts & graphs	Time series	6	452	10/05	
	Scatter diagrams & line of best fit	4	453-454		