

Topic	HIGHER GCSE REVISION	Grade	Hegarty Maths Video Number	Date to Revise	Revised <input type="checkbox"/>
Types of number	Types of number	5	99, 100, 101	23/09	
	BIDMAS	3	24, 44, 120, 150		
	Multiples, factors, prime factors	3,4	27, 31, 32, 33, 34,		
	LCM, HCF	5	35, 36		
Fractions	Equivalent fractions	3	59, 61, 63, 64	30/09	
	Multiplication & division of fractions	3	67-72		
	Addition & subtraction of fractions	4	65, 66		
Fractions	Fractions of amounts	3	62, 77-80	07/10	
	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	14/10	
	Estimating	4	129, 131-133, 111-112		
	Upper & lower bounds	7	137-139, 777		
Indices	Numbers into standard form	4	121-124	21/10	
	x , \div , $+$ & $-$ in standard form	5	125-128		
Basic algebra	Basic rules	3	151-159 175	21/10	
	Powers & roots	5	173-174, 102-107		
	Negative & fractional powers	7	108-110		
Simplifying terms	Expand single brackets	3	160-161	28/10	
	Expand double brackets (triple brackets)	4,7	162-164, 166		
	Factorise expressions (1 bracket)	4	167-171, 221,		
	Factorise quadratic expressions (2 brackets)	6	223-228		
	Difference of two squares	6	165		
Surds	Simplify surds	7	113-117	04/11	
	Rationalise the denominator of surds	8	118-119		
Solving equations 1	Solve equations	4	176-186, 188-189	11/11	
	Solve equations with fractions	5	187		
	Rearrange formulas	5	280-287		
Solving equations 2	Factorising quadratics	5,7	231-233	18/11	
	Quadratic formula	7	241-242		
	Completing the square	8	235-239		
Algebraic fractions	Simplify algebraic fractions	6	224, 229	25/11	
	Multiply & divide algebraic fractions	8			
	Add & subtract algebraic fractions	8			
Sequences	n th term for linear sequences	4	196-198	02/12	
	n th term for quadratic sequences	7	247-250		
	Types of sequences, eg Fibonacci	3	261, 263, 264, 247		
Inequalities	Solve linear inequality in 1 or 2 variables	5	269-272	09/12	
	Draw solutions on a number line	4	265-268		
	Quadratic inequalities	8	277		
	Graphical inequalities	6	273-276		
Iterations	Solving equations using iteration	7	322-323	16/12	
Simultaneous equations	Simultaneous equations by elimination	5	190-195	06/01	
	Simultaneous equations by substitution	8	246		
	Simultaneous equations using a graph	8	259-260		
Proof	Showing odd or even / Using a counter example	6 / 4	325-327 / 324	13/01	
Functions	Evaluating functions	6	288-289	20/01	
	Composite functions	8	293-294		
	Inverse functions	8	295-296		
Graphs	Gradient & intercept of straight line graphs	3	201-204	27/01	
	$y = mx + c$	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	03/02	
	Reciprocal, exponential & circle graphs	7			

	Trigonometric graphs Transforming graphs $y=f(x)$	8 7,8	778-779, 314-320, 800-803 303-306 307-313		
Real life graphs	Real life graphs Distance time graphs Velocity time graphs Gradient of real life graphs	6 3 6 5,7,8	712-713, 897-902 874-880 881-886 887-890, 894-896	10/02	
Ratio	Ratio in simplest form Dividing in a given ratio Solve ratio problems given Direct & inverse proportion	3 4 4 7	328-331 332-334 332-338 339-348, 325-327	17/02	
Percentages	Percentage increase & decrease Reverse percentage Simple & compound interest	3 4 5	84-90 96 91-95	24/02	
Compound measures	Speed, density, pressure	3, 4	716-733, 737-738	02/03	
Angles	Corresponding, alternate & interior angles Interior & exterior angles of regular polygons Properties of triangles & quadrilaterals	3 3 3	487, 560 561-564 822-828	09/03	
Circle theorems	Circle terms Circle theorems	8 8	592-606, 816-820 116-18	16/03	
Congruence & similarity	Congruent shapes Similar shapes	6 6	684-690 608-621	16/03	
Transformations	Reflection, rotation, translation Enlargement, fractional & negative scale factors	3	637-657 646-647	23/03	
Area, perimeter & volume	Area & perimeter of triangle & quadrilaterals Area & circumference of circles & semicircles Length of arcs & area of sectors	3 3 6	549-559 534-541 544-547	30/03	
Volume & surface area	Volume & surface areas of cuboids, prisms & cylinders Volume & surface area of pyramids, spheres & cones using a formula	3 5	568-575, 584-591 576-582, 578, 583	06/04	
Loci	Drawing loci, construct perpendicular bisectors, angle bisectors & triangles Bearings	4 4 3	660-669, 674-679 492-496	06/04	
Pythagoras & trigonometry	Pythagoras' theorem SOH CAH TOA Common values for trig Sine & cosine rules 3D Pythagoras 3D trigonometry Area of triangles using $\frac{1}{2} ab \sin C$	4 6 7 7 8 8 8	497-499, 501-502 508-515, 306, 845-853 Corbett Vid 341 521-533 505-507 854-863 517-519	13/04	
Vectors	Vectors / Find the midpoint of a line using vectors	6 / 8	527-636	13/04	
Probability	Probability basics Relative frequency Probability of two events & frequency trees Tree diagrams Conditional probability Product rule for counting	3 4 4 7 8 7	349-354 355-357 358-360, 368-369 360-363 364-390 671-673	20/04	
Venn diagrams	Set notation Venn diagrams	5 8	370-380, 384 385-388, 391	27/04	
Sampling	Sampling and bias Data collection	4 3	392-398 399-403	27/04	
Averages	Mean, median, mode & range for table Mean, median & mode for grouped data	4 5	404-410, 413-420	04/05	
Cumulative frequency	Cumulative frequency diagrams Median & quartiles Box plots	6 6 6	437-439 411-412 434-436, 440	04/05	
Histograms	Histograms	7, 8	442-449	11/05	

Charts & graphs	Time series	6	452	11/05	
	Scatter diagrams & line of best fit	4	453-454		