

Topic	HIGHER GCSE REVISION	Grade	Hegarty Maths Video Number	Date to Revise	Revised ✓
Types of number	Types of number	5	99, 100, 101	06/09	
	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	13/09	
	Multiplication & division of fractions	3	67-72		
	Addition & subtraction of fractions	4	65, 66		
Fractions	Fractions of amounts	3	62, 77-80	20/09	
	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	27/09	
	Estimating	4	129, 131-133, 111-112		
	Upper & lower bounds	7	137-139, 777		
Indices	Numbers into standard form	4	121-124	04/10	
	x, ÷, + & - in standard form	5	125-128		
Basic algebra	Basic rules	3	151-159 175	11/10	
	Powers & roots	5	173-174, 102-107		
	Negative & fractional powers	7	108-110		
Simplifying terms	Expand single brackets	3	160-161	18/10 & 25/10	
	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	nth term for linear sequences	4	196-198	01/11	
	nth 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	08/11	
	Solve equations with fractions	5	187		
	Rearrange formulas	5	280-287		
Solving equations 2	Factorising quadratics	5,7	231-233	15/11	
	Quadratic formula	7	241-242		
	Completing the square	8	235-239		
Ratio	Ratio in simplest form	3	328-331	22/11	
	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	29/11	
	Reverse percentage	4	96		
	Simple & compound interest	5	91-95		
Simultaneous equations	Simultaneous equations by elimination	5	190-195	06/12	
	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	13/12	
	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	20/12	
	Interior & exterior angles of regular polygons	3	561-564		
	Properties of triangles & quadrilaterals	3	822-828		
Algebraic fractions	Simplify algebraic fractions	6	224, 229	03/01	
	Multiply & divide algebraic fractions	8			
	Add & subtract algebraic fractions	8			
Averages	Mean, median, mode & range for table	4	404-410, 413-420	10/01	
	Mean, median & mode for grouped data	5			
Pythagoras' & trig	Pythagoras' theorem	4	497-499, 501-502	17/01	
	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	24/01	
	$y = mx + c$	4,5	208-213		
	Drawing straight line graphs	4	205-207		

	Parallel & perpendicular lines Quadratic graphs Solutions of quadratic graphs Turning points and discriminant	5,7 5 7 9	214-216 251-257 217, 218-220 256, 243, 258		
Graphs	Cubic graphs Reciprocal, exponential & circle graphs Trigonometric graphs Transforming graphs $y=f(x)$	5,6,7 7 8 7,8	298-301 778-779, 314-320, 800-803 303-306 307-313	31/01	
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	07/02	
Surds	Simplify surds Rationalise the denominator of surds	7 8	113-117 118-119	14/02	
Iterations	Solving equations using iteration	7	322-323	14/02	
Compound measures	Speed, density, pressure	3, 4	716-733, 737-738	21/02	
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	28/03	
Circle theorems	Circle terms Circle theorems	8 8	592-606, 816-820 116-18	07/03	
Congruence & similarity	Congruent shapes Similar shapes	6 6	684-690 608-621	14/03	
Transformations	Reflection, rotation, translation Enlargement, fractional & negative scale factors	3	637-657 646-647	21/03	
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	28/03	
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	04/04	
Loci	Drawing loci, construct perpendicular bisectors, angle bisectors & triangles Bearings	4 4 3	660-669, 674-679 492-496	04/04	
Pythagoras & trigonometry	Sine & cosine rules 3D Pythagoras 3D trigonometry Area of triangles using $\frac{1}{2} ab \sin C$	7 8 8 8	521-533 505-507 854-863 517-519	11/04	
Vectors	Vectors Find the midpoint of a line using vectors	6 8	527-636	18/04	
Proof	Showing odd or even Using a counter example	6 4	325-327 324	18/04	
Venn diagrams	Set notation Venn diagrams	5 8	370-380, 384 385-388, 391	25/04	
Sampling	Sampling and bias Data collection	4 3	392-398 399-403	25/04	
Functions	Evaluating functions Composite functions Inverse functions	6 8 8	288-289 293-294 295-296	02/05	
Cumulative frequency	Cumulative frequency diagrams Median & quartiles Box plots	6 6 6	437-439 411-412 434-436, 440	02/05	
Histograms	Histograms	7, 8	442-449	09/05	
Charts & graphs	Time series Scatter diagrams & line of best fit	6 4	452 453-454	09/05	