






Name: _____




GCSE Mathematics - Higher Tier - Revision Checklist

The most important topics to revise are:

SKILL	Corbett Maths Video Number	Watched?	MyMaths Homework Task		
		 	Not sure?!	Getting there...	Feeling Good
					
• Number properties (square, cube, reciprocal)	227, 228, 145				
• Standard form calculations (+, -, x, ÷)	301, 302, 303				
• Zero, positive, negative and fractional indices	1772, 173, 174, 175				
• Converting recurring decimals to fractions	96				
• Surds (simplifying, +, -, x, ÷)	305, 306, 307, 308				
• Bounds ((+, -, x, ÷) (Note: sometimes referred to as "limits of accuracy"))	183, 184				
• Drawing and interpreting quadratic, cubic, reciprocal and exponential graphs	264, 265, 344, 345, 346				
• Graph transformations	323				
• Changing the subject of a formula	7, 8				
• Forming, factorising and solving quadratic equations	118, 119, 266				
• Algebraic fractions (simplifying, +, -, x, ÷)	21, 22, 23, 24				
• Using the quadratic formula	267				
• Simultaneous equations	295, 206				
• Trial and improvement	116				
• Constructing 30, 60, 90 and 45 degree angles	68, 69, 70, 71				
• Proof of congruence in triangles	67				
• Pythagoras' Theorem in 3D	259				
• Trigonometry (SOHCAHTOA)	330, 331, 332				
• Sine and cosine rule	333, 334, 335, 336				
• Sketching and using trigonometric graphs	338, 339, 340, 341				
• Circle theorems	64, 65				

• Enlargement (positive, negative and fractional scale factors)	104, 104a, 105, 106, 107, 108				
• Cubes and cuboids (surface area and volume)	310, 355				
• Prisms (surface area and volume)	312, 356				
• Cylinder (surface area and volume)	315, 357				
• Pyramid (volume)	360				
• Cones (surface area and volume)	314, 359				
• Sphere (surface area and volume)	313, 361				
• Venn diagrams	380				
• Probability tree diagrams	252				
• Addition and multiplication laws of probability	244, 249				

Additional topics to revise which have appeared in past papers relatively frequently:

SKILL	Corbett Maths Video Number	Watched?	MyMaths Homework Task		
		✓ ✗	Not sure?! 	Getting there... 	Feeling Good 
• Highest common factor and lowest common multiple	218, 219				
• Direct and inverse proportion	254, 255				
• Straight line graphs ($y = mx + c$)	191, 194				
• Factorising	117				
• Forming and solving inequalities	178, 179				
• Expanding double brackets	14				
• Forming and solving linear equations	115				
• Difference of two squares	120				
• Regions	182				
• Similar shapes (length, area and volume)	292, 293a, 293b				
• Area of sector	46				
• Conditional probabilities	247				

Please note: These are not the only topics which could appear in the GCSE Mathematics exams, however they are the key topics which have appeared in past papers in recent years.

These lists have been created to help pupils focus their revision: they should still however also be revising the other topics we have covered in class.