Unit Code J560/04
Qual Name GCSE Mathematics - Paper 4 (Higher tier)
Qual Title Paper 4 (Higher tier)

Question Set	Q. No	Total Marks	AO	Spec Ref.	Topic	Additional Notes/Comments
1	1	3	1	1.03 Combining arithmetic operations	Priority of operations	
1	2	2	1	5.01 Calculations with ratio	Ratios	
1	3	5	3	1.02 Whole Number Theory	Lowest common multiple	Common question
1	4	6	3	6.03 Algebraic equations	Linear equations	Common question
1	5	6	3	11.02 Combined events and probability diagrams	Two way tables	
1	6	6	3	10.02 Perimeter calculations	Perimeters of compound shapes	
1	7	4	1	5.03 Discrete growth and decay	Growth and decay	
1	8	5	2	9.03 Plane vector geometry	Vectors	
1	9	5	2	5.02 Direct and inverse proportion	Inverse proportion	
1	10	3	2	6.01 Algebraic expressions	Indices	
1	11	6	2	6.04 Algebraic inequalities	Linear inequalities on a graph	
2	1	5	1	2.01 Fractions, 5.01 Calculations with ratio	Fractions	Common question
2	2	6	2	9.01 Plane isometric transformations	Transformations	

Question Set	Q.	Total Marks	AO	Spec Ref.	Topic	Additional Notes/Comments
2	3	5	2	8.03 Angles	Angles in parallel lines	
2	4	4	2	4.01 Approximation and estimation	Bounds	
2	5	7	3	6.06 Sequences, 6.03 Algebraic equations	Sequences, Simultaneous equations	
2	6	11	2, 3	12.03 Analysing data	Cumulative frequency, Histograms	
2	7	7	2, 3	7.04 Interpreting graphs	Graphs, Gradients, Area under a graph	
2	8	4	1	6.03 Algebraic equations	Quadratic equations	
3	1	8	2,3	5.01 Calculations with ratio, 2.03 Percentages	Ratio, Percentages	Common question
3	2	8	2	12.03 Analysing data	Scatter Diagram	Common question
3	3	5	3	6.03 Algebraic equations	Linear simultaneous equations	
3	4	4	2	5.03 Discrete growth and decay	Growth and decay	
3	5	6	1	9.04, 11.02 Combined events and probability diagrams	Length, area and volume scale factor, Product rule for number of outcomes	
3	6	5	3	7.02 Straight line graphs	Tangent to a circle	
3	7	4	1	6.01 Algebraic expressions	Algebraic fractions	
3	8	2	2	7.01 Graphs of equations and functions	Sketching graaphs	
3	9	8	1	10.04 Volume and surface area calculations, 10.05 Triangle mensuration	Polyhedra, Trigonometry, Pythagoras' Theorem	
4	1	5	3	5.02 Direct and inverse proportion	Proportion	Common question

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4	2	4	1	3.02 Standard form	Standard Form	
4	3	4	3	1.02 Whole number theory	Lowest Common Multiple	
4	4	3	1	6.01 Algebraic expressions	Multiplying out brackets	
4	5	3	3	5.01 Calculations with ratio	Ratios	
4	6	7	3	6.05 Language of functions	Functions	
4	7	4	2	9.02 Congruence	Congruent triangles	Common question
4	8	9	2, 3	12.03 Analysing data, 12.02 Interpreting and representing data	Cumulative frequency	
4	9	7	3	10.05 Triangle mensuration	Cosine rule, Sine rule	
4	10	4	2	7.04 Interpreting graphs	Gradients	
5	1	5	2	8.02 Ruler and compass constructions	Construction, Loci	Common question
5	2	6	3	2.03 Percentages	Percentages	Common question
5	3	4	2, 3	12.02 Interpreting and representing data	Time Series	
5	4	6	3	10.03 Area calculations	Area of composite shapes	Common question
5	5	7	3	4.01 Approximation and estimation	Upper and lower bounds	
5	6	6	3	10.05 Triangle mensuration	Sine and cosine rules	
5	7	3	1	5.02 Direct and inverse proportion	Inverse proportion	

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5	8	3	1	6.01 Algebraic expressions	Expanding brackets	
5	9	4	2	7.02 Straight line graphs	Parallel and perpendicular lines	
5	10	6	1	6.03 Algebraic equations	Simultaneous equations with one quadratic	
6	1	3	1	3.02 Standard form	Standard Form	
6	2	4	3	2.03 Percentages	Percentages	Common question
6	3	4	3	5.02 Direct and inverse proportion	Inverse Proportion	Common question
6	4	5	3	11.02 Combined events and probability diagrams	Venn Diagrams	
6	5	4	3	10.04 Volume and surface area calculations	Polyhedra	
6	6	3	2	7.02 Straight line graphs	Straight line graphs	
6	7	5	2	9.01 Plane isometric transformations	Transformations	
6	8	7	2	12.03 Analysing data	Box Plot	
6	9	6	1	6.03 Algebraic equations	Quadratic equations	
6	10	9	2, 3	7.04 Interpreting graphs	Areas under a graph	