

Unit Code: J560/03

Qual Name: GCSE Mathematics - Paper 3 (Foundation tier)

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Question Set	Q. No	Total Marks	AO	Spec Ref.	Topic	Additional Notes/Comments
1	1	2	1	8.01 Conventions, notation and terms	Angle name measure	
1	2	3	1	5.01 Calculations with ratio	Ratio	
1	3	2	1	2.03 Percentages	Find percentage	
1	4	3	1	1.02 Whole number theory	Multiples/LCM	
1	5	4	3	6.06 Sequences (Also 1.02, 1.04)	Continue sequence and find term	
1	6	6	3	11.01 Basic probability and experiments (also 1.01,11.02)	Read and interpret possibility diagram	
1	7	5	3	1.01 Calculations with integers (also 4.01,5.01,10.01)	Problem involving units change	
1	8	4	2, 3	3.02 Standard form (also 10.01,5.01)	Problem ranking in standard form and different units	Common question
1	9	2	2	12.03 Analysing data (also 11.01)	Misleading statistical representation	Common question
1	10	4	2, 3	5.01 Calculations with ratio	Problem involving ratio, probability and fractions)	Common question
1	11	8	2, 3	8.04 Properties of polygons (also 4.01,10.03, 10.05)	Problem involving trigonometry or Pythagoras	
1	12	4	2, 3	7.02 Straight line graphs	Parallel lines, gradient, equation	Common question
1	13	3	1	6.03 Algebraic equations	Solve quadratic equation by factorising	
2	1	2	1	10.02 Perimeter calculations	Perimeter(AO1) and symmetry (AO2)	
2	2	2	1	1.03 Combining arithmetic operations	Order of operations	
2	3	2	2	2.01 Fractions	Coordinates of points/draw vertical line	

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2	4	2	1	6.02 Algebraic formulae	Evaluate expression	
2	5	7	3	12.02 Interpreting and representing data	Read and interpret pie chart (also 2.01 and 10.01)	
2	6	2	1	6.03 Algebraic equations	Solve linear equation	
2	7	4	3	10.01 Units and measurement	Problem involving cost	
2	8	5	5	5.02 Direct and inverse proportion (also 7.04a)	Proportion, including graph.	
2	9	2	2	8.06 Three-dimensional shapes	Draw different view of object	
2	10	3	1	3.02 Standard form (also 4.01)	Problem using standard form	Common question
2	11	4	2, 3	11.01 Basic probability and experiments	Problem involving probability	Common question
2	12	2	2	8.02 Ruler and compass constructions	Construction of perpendicular to line	Common question
2	13	3	3	9.04 Similarity	Similar triangles	
2	14	3	2	4.01 Approximation and estimation	Error intervals	
2	15	7	2, 3	10.01 Units and measurement (Also 10.04, 3.01, 6.01)	Problem index rules, density and units	
3	1	6	1	1.02 Whole number theory (Also 1.03)	Types of number, order of operations and simple percentage	
3	2	4	2	12.02 Interpreting and representing data	Interpretation of pie chart and drawing bar chart	
3	3	4	2	9.01 Plane isometric transformations (Also Also 9.04)	Rotation and enlargement of a shape	
3	4	3	2, 3	2.03 Percentages, (Also 5.01)	Ratio problem	
3	5	3	1	6.01 Algebraic expressions	Expanding brackets	
3	6	4	3	2.01 Fractions (Also 2.03, 10.03)	Find percentage of shape using constituent parts	
3	7	6	2	11.02 Combined events and probability diagrams	Probability, tree diagram and finding probabilities	

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3	8	3	1	6.03 Algebraic equations	Solve simultaneous equations	
3	9	5	2	1.02 Whole number theory	Solution to problem using prime factors	
3	10	7	3	2.03 Percentages, (Also 5.03)	Percentage increase, decrease and multipliers. Combined changes	
3	11	5	3	6.03 Algebraic equations (Also 10.02 and 10.03)	Area of rectangle linked to perimeter problem	Common question
4	1	2	1	10.01 Units and measurement	Addition with change of units	
4	2	2	1	4.01 Approximation and estimation	Rounding	
4	3	4	1	6.02 Algebraic formulae (Also 10.02 and 10.03)	Circumference and area of circle	
4	4	2	3	1.04 Inverse operations	Problem involving inverse processes	
4	5	3	2, 3	11.01 Basic probability and experiments	Probability from table and showing on a probability scale	
4	6	3	3	11.02 Combined events and probability diagrams (Also 11.01)	Combinations of events and probability	
4	7	3	1	3.01 Powers and roots	Indices	
4	8	7	2	8.03 Angles (Also 8.04)	Angles at a point, between parallels and reasons	
4	9	4	2	6.04 Algebraic inequalities	Solve inequality and show on number line	Common question
4	10	5	3	2.03 Percentages	Calculate shares from information given in percentage form	Common question
4	11	3	3	11.02 Combined events and probability diagrams)(Also 11.01)	Probability of combined events	Common question
4	12	6	2, 3	5.03 Discrete growth and decay (Also 4.01)	Compound and simple interest problem	Common question
4	13	6	3	6.03 Algebraic equations (Also 6.02)	Find value for a variable from expressions related to sides of square	
5	1	2	1	1.02 Whole number theory	Factors and multiples	
5	2	3	1	6.06 Sequences (Also 1.02)	Complete sequences	

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5	3	3	3	12.03 Analysing data	Range, median and mode	
5	4	2	2	8.06 Three-dimensional shapes	2D representations of 3D objects	
5	5	6	3	2.01 Fractions (also 2.02, 2.04)	Simple problems with fractions and percentages	
5	6	3	3	7.01 Graphs of equations and functions (Also 8.04 and 10.03)	Problem involving plotting and deducing points from geometric information	
5	7	5	2, 3	5.02 Direct and inverse proportion	Best value involving change of currency	
5	8	4	2, 3	3.01 Powers and roots	Rules of indices	
5	9	4	3	6.03 Algebraic equations (Also 5.01)	Deduce length of rectangle from given information about perimeter	
5	10	4	2	6.04 Algebraic inequalities	Solve inequality and display result	Common question
5	11	5	3	10.03 Area calculations (Also 6.03)	Area of triangle linked to area of trapezium problem	
5	12	4	2	9.03 Plane vector geometry	Vectors	Common question
5	13	5	2	11.02 Combined events and probability diagrams	Tree diagram and probabilities of combined events	
6	1	2	1	1.03 Combining arithmetic operations	Order of operations	
6	2	7	3	5.01 Calculations with ratio (Also 1.01 and 2.03)	Problem involving percentage change and reverse fraction change	
6	3	3	2	11.02 Combined events and probability diagrams	Probability and listing outcomes	
6	4	5	3	6.01 Algebraic expressions	Problem involving expansion of brackets	
6	5	8	3	5.01 Calculations with ratio (Also 10.01)	Direct proportion	
6	6	6	2, 3	12.03 Analysing data	Scatter diagram and line of best fit	Common question
6	7	3	1	10.05 Triangle mensuration	Right-angled trigonometry	
6	8	3	1	8.03 Angles	Angles in regular polygon	Common question

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6	9	6	3	10.01 Units and measurement (Also 4.01)	Problem involving density, volume and unit change	Common question
6	10	7	2	6.03 Algebraic equations (Also 6.02 and 7.01)	Plot curve and find crossing points	