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Mathematics Paper Index Foundation Tier

AQA

SET 2

The resource in a nutshell

This resource summarises the GCSE maths advance information provided by **AQA** for the 3 foundation papers.

The topics in **bold** show which topics appear on both foundation and higher papers.

Please note, the papers are an example to help revision, these topics can be tested in other ways and other topics may be included in the actual papers.

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The topics in **bold** appear on both the foundation and higher papers. The numbers in **bold** show the question number that the topic relates to.

	Number	Ratio	Algebra	Geometry	Probability	Statistics
Paper 1	<ul style="list-style-type: none"> Place value 1 Decimal arithmetic 5, 24 Fraction of amount 9, 15 Fraction arithmetic 22 Fractions, Decimals and Percentages 25 Calculate with negative numbers 2 Highest common factor 23 Prime numbers 29 Rounding 16 Estimation 16 Money problem 7, 21 Written calculation 12 Standard form writing 28 Standard form calculation 28 	<ul style="list-style-type: none"> Ratio 11, 14 Direct proportion 17 Percentage of amount 15 Percentage profit 21 Converting units, time, weight 4, 13 	<ul style="list-style-type: none"> Simplification 8 Expand single bracket 8 Write and solve linear equation 18 Equation to fraction 25 Solve quadratic 20 Coordinates 10 Linear sequence 18 	<ul style="list-style-type: none"> Properties of triangles 3 Perimeter 14 Area, kite 30 Reflection 19 Rotation 19 Constructions 26 Exact trig values 30 Trigonometry 30 	<ul style="list-style-type: none"> Probability 11, 29 Expected outcome 29 Two way table 15 	<ul style="list-style-type: none"> Bar chart 6 Pie chart 24 Averages from grouped data 27 Averages 6
Paper 2	<ul style="list-style-type: none"> Fractions, decimal and percentages 1 Ordering fractions 13 Types of number, square numbers, cube numbers 2 Multiples 8 Money problem 5, 11 Calculator use 15 Mathematical symbols 15 Order of operations 10 	<ul style="list-style-type: none"> Percentage increase 23 Direct proportion 24 Converting units, length 16, 17 	<ul style="list-style-type: none"> Substitution 3, 21, 25 Changing the subject 18 Write an expression 6 Function machine 10 Solve linear equation 12 Simultaneous equations 25 Linear graph 21 Non linear graphs 27 	<ul style="list-style-type: none"> Time 11 Rotational symmetry 4 Angles in a triangle 14 Area of quadrilateral 23 Volume 17 Plan and elevation 20 Properties of 3D shapes 20 Pythagoras theorem 26 Trigonometry 26 Vector calculation 28 	<ul style="list-style-type: none"> Probability 9 Conditional probability 19 Frequency tree 19 	<ul style="list-style-type: none"> Pictogram 7 Scatter diagram 22 Averages 9
Paper 3	<ul style="list-style-type: none"> Ordering decimals 4 Fraction of amount 1 Calculate with negatives 15 Order of operations 15 Properties of numbers 14 Product of prime factors 17 Lowest common multiple 17 Rounding decimal places 23, 24 Error interval 24 Standard form calculation 30 Money problem 10 Types of number 21 	<ul style="list-style-type: none"> Write ratio 6 Ratio to fraction 6 Ratio to equation 28 Use of ratio 13 Percentage decrease 10 Proportional reasoning 27 Inverse proportion 19 Speed 19 Converting units, length 3 Direct proportion 13 	<ul style="list-style-type: none"> Write expression 2 Substitution 20, 30 Factorise single bracket 18 Solve linear equation 18 Write linear inequality 29 Solve linear inequality 29 Laws of indices 22 Non linear sequence 7 Quadratic graph 20 Distance time graph 8 Expanding single brackets 18 Non linear graphs 19 	<ul style="list-style-type: none"> Area of sector 23 Angles in a polygon 26 Bearings 16 Scale drawing 16 Congruence 5 Surface area 29 Angles in triangles 26 	<ul style="list-style-type: none"> Probability 9 Mutually exclusive events 9 Listing outcomes 12 Venn diagram 21 	<ul style="list-style-type: none"> Frequency polygon 11 Mean from table 25

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