



THIRD SPACE
LEARNING

Topic List

GCSE Maths Papers

Set 3

AQA

Topics in **bold** appear on both tiers - some of these may include the overlap questions that appear on both papers.

	Number	Ratio	Algebra	Geometry	Probability	Statistics
Paper 1	<ul style="list-style-type: none"> FDP 1 Rounding 2, 9 Fractions of an amount 7 Write a fraction 7 Negative numbers 4, 11, 23 Estimation 9 Fraction arithmetic 12 Multiplying decimals 13 Money problem 14, 21 Place value 17 Prime factorisation 22 Standard form 25 Indices 30 	<ul style="list-style-type: none"> Convert units (length) 5 Write a ratio 7 Simplifying ratio 7 Percentage profit 21 	<ul style="list-style-type: none"> Collecting like terms 3, 15 Coordinates 6 Expanding brackets 15 Substitution 16, 28 Linear graphs 16 Solving linear equations 18 Sequences 23 Laws of indices 30 	<ul style="list-style-type: none"> Reflection 6 Angles 10 Plans and elevations 20 Loci 24 Scale drawing 24 Angles (polygons) 27 Volume 28 Exact trig values 29 	<ul style="list-style-type: none"> Basic probability 13 Expected outcomes 13 Venn diagrams 19 	<ul style="list-style-type: none"> Bar charts 8 Averages 26
Paper 2	<ul style="list-style-type: none"> Place value 1 Decimals 3 Types of number 4, 18 Money problems 7, 11, 21 Negative numbers 12 Comparing fractions 13 Mathematical symbols 13 LCM 22 Standard form writing 30 Standard form calculation 30 	<ul style="list-style-type: none"> Converting units (time) 2 Percentage decrease 11 Best buy 16 Direct proportion 19 Divide into a ratio 21 Equation to percentage 25 Inverse proportion 27 	<ul style="list-style-type: none"> Writing expressions 8 Collecting like terms 8 Real-life graphs 9 Function machines 10 Formulae 12 Substitution 12 Expanding bracket 17 Solving inequalities 17 Inequality on a number line 17 Nth term 28 Expanding quadratics 32 	<ul style="list-style-type: none"> Properties of polygons 6 Rotational symmetry 6 Area trapezium, rectangle 14 Drawing angles 15 Bearings 20 Scale drawing 20 Perimeter 23 Pythagoras' theorem 23 Changing the subject 25 Trigonometry 26 Angles (polygons) 29 Column vectors 31 	<ul style="list-style-type: none"> Experimental probability 24 	<ul style="list-style-type: none"> Averages 5 Pie chart 15
Paper 3	<ul style="list-style-type: none"> FDP 1 Fractions of an amount 2 Factors 3 Write a fraction 6 Money problems 8 Using a calculator 10 Reciprocal 10 Number problem 11 Rounding 19 Error interval 19 HCF 27 Multiplying fractions 30 	<ul style="list-style-type: none"> Percentage of an amount 9 Write a ratio 13 Simplifying ratios 13 Ratio to fraction 15 Ratio problem 15, 24 Convert units (area) 18 Compound interest 26 Speed 28 Reverse percentage 31 	<ul style="list-style-type: none"> Simplifying expressions 12 Substitution 12 Write an expression 14 Changing the subject 16 Coordinates 24 Midpoint of a line 24 Form and solve equations 25 Sequences 25 Simultaneous equations 29 	<ul style="list-style-type: none"> Time 4 Properties of 3D shapes 5 Reading scales 9 Perimeter 14 Similar shapes 17 Angles in parallel lines 20 Describing a rotation 22 	<ul style="list-style-type: none"> Listing outcomes 7 Probability tree 30 	<ul style="list-style-type: none"> Frequency polygons 21 Estimated mean 21 Averages 23