



THIRD SPACE
LEARNING

Topic List

GCSE Maths Papers

Set 3

Edexcel

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, 18 Multiples 4 Fractions of an amount 7 Negative numbers 12, 23 Fraction arithmetic 13 Properties of numbers 19 Money problem 15, 21 Estimation 18 Prime factors 22 Powers of 10 25 	<ul style="list-style-type: none"> Convert units, length 6 Write ratio 9 Direct proportion 17 Percentage profit 21 Compound measures 27 	<ul style="list-style-type: none"> Collect like terms 3 Solve equations 10 Expanding brackets 16 Factorise 16 Nth term 23 Substitution 15, 29 Laws of indices 29 	<ul style="list-style-type: none"> Reflection 5 Angles in a triangle 11 Plans and elevations 20 Loci 24 Scale drawing 24 Angles in a polygon 26 Volume 27 	<ul style="list-style-type: none"> Basic probability 14 Expected outcomes 14 Venn diagram 19 	<ul style="list-style-type: none"> Bar chart 8 Averages 28
Paper 2	<ul style="list-style-type: none"> Place value 1 Order decimals 3 Calculator use 4 Money problem 7, 19 Negative numbers 12 Compare fractions 13 Mathematical symbols 13 LCM 21 Standard form writing 29 Standard form calculation 29 	<ul style="list-style-type: none"> Convert units, mass 2 Percentage decrease 11 Best buy 16 Divide a quantity by a ratio 19 Inverse proportion 26 	<ul style="list-style-type: none"> Write an expression 8 Real life graphs 9 Function machine 10 Substitution into formulae 12 Expanding brackets 17 Solving inequalities 17 Inequality on a number line 17 Substitution 20 Linear graph 20 Expanding quadratics 24 Difference of two squares 24 Simultaneous equations 27 	<ul style="list-style-type: none"> Properties of polygons 6 Rotational symmetry 6 Area, quadrilaterals 14 Perimeter 22 Pythagoras' theorem 22 Trigonometry 25 Angles in a polygon 28 Vector calculations 30 	<ul style="list-style-type: none"> Two way table 18 Probability 18 Experimental probability 23 	<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 4 Write a fraction 6 Types of number 7 Money problem 8 Calculator use 10 Reciprocal 10 Reasoning 11 Rounding 18 Error interval 18 HCF 27 Multiplying fractions 29 	<ul style="list-style-type: none"> Percentage of an amount 9 Write a ratio 12 Simplifying ratio 12 Ratio to fraction 16 Ratio problem 16, 24 Convert units, area 19 Compound interest 26 Speed 28 Reverse percentage 30 	<ul style="list-style-type: none"> Write an expression 13 Change the subject 17 Expanding brackets 20 Solving equations 20 Coordinates 24 Midpoint of a line 24 Form and solve equation 25 Sequence 25 	<ul style="list-style-type: none"> Time 3 Properties of 3D shapes 5 Reading scales 9 Perimeter 13 Scale drawing 14 Bearing 14 Area, triangle 15 Enlargement 22 	<ul style="list-style-type: none"> Probability scale 7 Basic probability 7 Probability tree 29 	<ul style="list-style-type: none"> Frequency polygons 21 Averages 23