



THIRD SPACE
LEARNING

Mathematics Paper Index Higher Tier

Edexcel GCSE

SET 2

The resource in a nutshell

This resource summarises the GCSE maths advance information provided by **Edexcel** for the 3 higher 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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	Paper 1	Paper 2	Paper 3
1	<ul style="list-style-type: none"> Highest common factor 	<ul style="list-style-type: none"> Scatter diagram Correlation Line of best fit 	<ul style="list-style-type: none"> Laws of indices
2	<ul style="list-style-type: none"> Pie chart Decimal arithmetic 	<ul style="list-style-type: none"> Percentage increase Area of a quadrilateral 	<ul style="list-style-type: none"> Error interval
3	<ul style="list-style-type: none"> Standard form conversion Standard form calculation 	<ul style="list-style-type: none"> Direct proportion 	<ul style="list-style-type: none"> Mean from a table Probability
4	<ul style="list-style-type: none"> Constructions 	<ul style="list-style-type: none"> Simultaneous equations 	<ul style="list-style-type: none"> Angles in a polygon Angle properties
5	<ul style="list-style-type: none"> Stem and leaf 	<ul style="list-style-type: none"> Pythagoras theorem Trigonometry 	<ul style="list-style-type: none"> Volume Write an inequality Solve linear inequality
6	<ul style="list-style-type: none"> Probability Expected outcomes 	<ul style="list-style-type: none"> Non linear graphs 	<ul style="list-style-type: none"> Substitution Standard form calculation
7	<ul style="list-style-type: none"> Exact trig values Trigonometry Area of a kite 	<ul style="list-style-type: none"> Vector calculation 	<ul style="list-style-type: none"> Convert units (area)
8	<ul style="list-style-type: none"> Negative indices Fractional indices 	<ul style="list-style-type: none"> Money problem Direct proportion 	<ul style="list-style-type: none"> Ratio Money problem
9	<ul style="list-style-type: none"> Direct proportion 	<ul style="list-style-type: none"> Change the subject 	<ul style="list-style-type: none"> Probability tree Independent events
10	<ul style="list-style-type: none"> Write an expression 	<ul style="list-style-type: none"> Reverse percentages Compound change 	<ul style="list-style-type: none"> Expand multiple brackets
11	<ul style="list-style-type: none"> Cumulative frequency Median 	<ul style="list-style-type: none"> Probability single event Independent events Listing outcomes Comparing fractions 	<ul style="list-style-type: none"> Product of prime factors Square numbers
12	<ul style="list-style-type: none"> Percentage to ratio 	<ul style="list-style-type: none"> Linear sequence Non linear sequence 	<ul style="list-style-type: none"> Pressure Percentage increase Percentage change
13	<ul style="list-style-type: none"> Algebraic fractions Simplify expression Factorise quadratic 	<ul style="list-style-type: none"> Product rule for counting 	<ul style="list-style-type: none"> Venn diagram Set notation Conditional probability
14	<ul style="list-style-type: none"> Plot inequalities Straight line graphs 	<ul style="list-style-type: none"> Bounds 	<ul style="list-style-type: none"> Iterative process
15	<ul style="list-style-type: none"> Perimeter Circumference of a circle 	<ul style="list-style-type: none"> Enlargement negative sf 	<ul style="list-style-type: none"> Speed time graph Area Gradient of curve
16	<ul style="list-style-type: none"> Capture-recapture 	<ul style="list-style-type: none"> Use of ratio 	<ul style="list-style-type: none"> Inverse proportion
17	<ul style="list-style-type: none"> Circle theorems 	<ul style="list-style-type: none"> Solve quadratic Laws of indices Solve linear equation 	<ul style="list-style-type: none"> Circle theorems Angles in parallel lines
18	<ul style="list-style-type: none"> Rationalise denominator 	<ul style="list-style-type: none"> Histogram 	<ul style="list-style-type: none"> Circumference of a circle Equation of a circle Distance between two points
19	<ul style="list-style-type: none"> Complete the square Turning point of a quadratic 	<ul style="list-style-type: none"> Volume of cone Area and volume of similar shapes Rounding 	<ul style="list-style-type: none"> Vectors
20	<ul style="list-style-type: none"> Inverse and composite functions Solve quadratic 	<ul style="list-style-type: none"> Algebraic proof Expand double brackets 	<ul style="list-style-type: none"> Trigonometric graphs Transformations of graphs
21	<ul style="list-style-type: none"> Volume 	<ul style="list-style-type: none"> Bearings Cosine rule 	<ul style="list-style-type: none"> 3D Pythagoras

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