



THIRD SPACE
LEARNING

Mathematics Paper Index Foundation Tier

Edexcel

SET 1A

The resource in a nutshell

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

Numbers in **bold** show how the question numbers in the example papers relate to the specific topics detailed in the advance information for the Summer 2022 exam series.

The 3 practice papers in this pack are based on the topics from the advanced information for the Summer 2022 exam series.

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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Free topic-based [GCSE maths revision lessons](#) including worked examples, common misconceptions and practice GCSE questions:

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Probability (coming soon)

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Numbers in **bold** show how the question numbers in the example papers relate to the topics detailed in the advance information for the Summer 2022 exam series.

	Number	Ratio	Algebra	Geometry	Probability	Statistics
Paper 1	<ul style="list-style-type: none"> Money 5, 15 Negative number 8 Order fractions, decimals, percentages 1, 10 Fraction of an amount 12 Fraction arithmetic 7 Place value 1 Product of prime factors 6 Standard Form conversion and calculation 16 Estimation 27 	<ul style="list-style-type: none"> Length conversion 3 Percentage of an amount 5, 20 Percentage increase 19 Write as a ratio 19 Share in a ratio 15 Direct proportion 24 Speed and density c2 	<ul style="list-style-type: none"> Simplification 2 Substitute values 11 Linear inequality 18 Quadratic equation 25 Quadratic graph 21 Linear sequence 13 	<ul style="list-style-type: none"> Reflection 4 Plan and elevation 17 Angles in a polygon 23 Volume of a cube and cylinder 27 Exact trig. values 26 	<ul style="list-style-type: none"> Probability 14 Frequency tree 20 	<ul style="list-style-type: none"> Pictogram 9 Bar chart 9 Stem and leaf diagram 14
Paper 2	<ul style="list-style-type: none"> Money 14 Negative number 13 Fraction arithmetic 13 Order fractions 11 Order integers 3 Multiples 2 Rounding 14 Error interval 25 Mathematical symbols 3 	<ul style="list-style-type: none"> Mass, time, area 16, 21 Scale drawing 16 Decimal to percentage 1 Percentage profit 15 Depreciation 23 Write as a ratio, use of ratio 16 Direct proportion 14 Currency conversion 14 	<ul style="list-style-type: none"> Simplification 19 Expansion of bracket 19 Factorisation 19 Laws of indices 24 Linear simultaneous equations 22 Coordinates 9 Straight line graph 17 Functions: Number machines 4 	<ul style="list-style-type: none"> Polygons 18 Circles 6 Parallel and perpendicular lines 8 Transformations 18 Angles in a triangle 5 Vertically opposite angles 5 Area of a rectangle 21 	<ul style="list-style-type: none"> Tree diagram 20 Combined events 20 	<ul style="list-style-type: none"> Interpret graph 10 Two-way table 12 Frequency table 8 Mode 7 Median 7 Mean 7
Paper 3	<ul style="list-style-type: none"> Four operations 4 Negative number 17 Fraction of an amount 3 One amount as a fraction of another 7 Equivalent fractions 7 Factors 4 Lowest Common Multiple 9 Square root 3 Rounding 19 Calculator use 19 	<ul style="list-style-type: none"> Time Compound units 18 Scale drawing 15 Percentage to fraction 3 One quantity as a percentage of another 7 Percentage decrease 21 Reverse percentage 21 Write as a ratio 17 1 : n form 17 Direct proportion 17 Average speed 18 	<ul style="list-style-type: none"> Simplification 14 Expansion of bracket 16 Factorisation 16 Substitute values 22 Change subject of a formula 22 Forming an expression 14 Linear equation 14 Form an equation 14 Linear sequence 12 	<ul style="list-style-type: none"> Triangle properties 5 Quadrilaterals 1 Triangular prism 6 Angle properties of parallel lines 10 Angles in a triangle 10 Vertically opposite angles 10 Bearings 15 Area of a triangle 6 Area of a trapezium 20 Pythagoras' Theorem 20 	<ul style="list-style-type: none"> Probability scale 2 Probability 11 	<ul style="list-style-type: none"> Frequency polygon 8 Median 13 Range 13 Comparison of distributions 13

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✉ hello@thirdspacelearning.com

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☎ 0203 771 0095