



THIRD SPACE
LEARNING

Mathematics Paper Index Foundation Tier

OCR

SET 2

The resource in a nutshell

This resource summarises the GCSE maths advance information provided by **OCR** 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.

Additional 2023 GCSE maths revision support from Third Space Learning

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

[Algebra](#)

[Statistics](#)

[Number](#)

[Ratio and proportion](#)

[Geometry](#)

[Probability](#)

Free downloadable topic-based [GCSE maths worksheets](#) containing functional and applied reasoning questions, practice GCSE questions and word problems. All worksheets include answers and mark schemes.

Personalised [online one to one GCSE maths tuition](#) delivered by specialist tutors and designed to guide students through GCSE-style questions on the topics they struggle most with. Available with a subsidy through the [National Tutoring Programme](#).

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"> Fractions, decimals and percentages 3 Order of operations 10 Ordering fractions 14 Fraction of amount 21 Write a fraction 23 Types of number 2 Mathematical symbols 5 Factors 2 Prime numbers 2 Money problem 8, 13 Mathematical reasoning 9 	<ul style="list-style-type: none"> Ratio 6 Percentage increase 20 Compound interest 27 Direct proportion 24 	<ul style="list-style-type: none"> Substitution 5, 26 Change the subject 17 Write an expression 6 Function machine 10 Solve linear equation 12 Simultaneous equations 26 Linear graph 22 Non linear graphs 29 	<ul style="list-style-type: none"> Time 13 Angles in a triangle 15 Area of quadrilateral 20 Volume of a cuboid 16 Plan and elevation 18 Properties of 2D shapes 1 Properties of 3D shapes 18 Rotational symmetry 1 Pythagoras theorem 28 Trigonometry 28 Vector calculation 25 	<ul style="list-style-type: none"> Probability scale 4 Probability 21 Mutually exclusive events 19 Conditional probability 21 Frequency tree 21 	<ul style="list-style-type: none"> Pictogram 7 Scatter diagram 23 Averages 11
Paper 2	<ul style="list-style-type: none"> Written calculation 1 Fraction of amount 9, 14 Equivalent fractions 5 Fraction arithmetic 5 Decimal arithmetic 3, 22 Reverse percentages 21 Order of operations 3 Calculating with negative numbers 1 Indices 10 Powers and roots 10 Prime numbers 26 Rounding 16 Estimation 16 Money problem 7 Standard form conversion 23 Standard form calculation 23 	<ul style="list-style-type: none"> Ratio 11 Simplify ratio 13 Direct proportion 17 Percentage of amount 14 Percentage profit 21 Converting units, time, length 2 	<ul style="list-style-type: none"> Simplification 8 Expand single bracket 8 Expand double bracket 20 Solve quadratic 20 Coordinates 15 Linear sequence 18 	<ul style="list-style-type: none"> Properties of 2D shapes 4, 12 Coordinates 15 Perimeter 12 Area, kite 27 Reflection 19 Rotation 19 Constructions 24 Exact trig values 27 Trigonometry 27 	<ul style="list-style-type: none"> Probability 11, 26 Expected outcome 26 Two way table 14 	<ul style="list-style-type: none"> Bar chart 6 Pie chart 22 Averages from grouped data 25 Averages 6
Paper 3	<ul style="list-style-type: none"> Ordering decimals 5 Compare fractions and decimals 9 Write fraction 6 Calculate with negatives 10 Order of operations 10 Product of prime factors 16 Lowest common multiple 16 Rounding 2, 23 Error interval 24 Bounds 24 Standard form calculation 28 Money problem 11 Calculator use 4 	<ul style="list-style-type: none"> Write ratio 6 Use of ratio 15 Percentage decrease 11 Inverse proportion 19 Speed 19 	<ul style="list-style-type: none"> Algebra terminology 12 Substitution 28 Expanding single brackets 18 Factorise single bracket 18 Solve linear equation 18 Write linear inequality 27 Solve linear inequality 27 Laws of indices 22 Non linear sequence 7 Quadratic graph 20 Distance time graph 8 	<ul style="list-style-type: none"> Measure length 1 Measure angle 1 Perimeter 3 Area of sector 23 Surface area 27 Lines of symmetry 3 Angle properties 1, 26 Angles in a polygon 26 Angles in parallel lines 26 Bearings 17 Scale drawing 17 	<ul style="list-style-type: none"> Probability 9 Mutually exclusive events 9 Independent events 9 Listing outcomes 14 Venn diagram 21 	<ul style="list-style-type: none"> Frequency polygon 13 Mean from table 25

Help ease the pressure with a personalised revision programme for each of your target KS4 students

Our one to one GCSE revision programme is designed to help your target students reach their potential in their GCSE maths exams.

Our specialist maths tutors work one to one with each student, focusing on securing core KS4 content and building familiarity with the kinds of questions they'll be tackling in their GCSE exams.

Get in touch today:

✉ hello@thirdspacelearning.com

🔍 thirdspacelearning.com

☎ 0203 771 0095