



THIRD SPACE  
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# Topic List

## GCSE Maths Papers

### Set 3

Edexcel

# The resource in a nutshell

This resource lists all of the topics examined in the SET 3 Edexcel GCSE Mathematics Foundation Papers along with the paper and question number where they appear.

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 2024 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 70% subsidy through the [National Tutoring Programme](#).

## Exam Analysis

Free downloadable RAG exam analysis available for each exam paper within this set, featuring whole class and personalised student analysis.

Question	Revision Priority	Topic 1	Topic 2	Average mark ->	Student																							
					Grade	U	2	4	5	5	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
1		Converting FDPs		38	0	29	52	68	78	80	39	33	44	40	38	43	33	53	30	29	37	37	36	41	36	36	35	40
2		Rounding																										
3		Collecting like terms																										
4		Multiples																										
5		Reflection																										
6		Converting units (length)																										
7		Fractions of an amount																										
8		Bar charts																										
9		Writing ratios																										
10		Solving equations																										
11		Angles (triangle)																										
12		Negative numbers																										
13		Fraction arithmetic																										
14		Expected outcomes																										
15		Money problems																										
16		Substitution																										
17		Expanding brackets																										
18		Direct proportion																										
19		Estimation																										
20		Venn diagrams																										
21		Plans and elevation																										
22		Money problems																										
23		Prime factors																										
24		Nth Term																										
25		LoD																										
26		Powers of 10																										
27		Angles (polygon)																										
28		Compound measures																										
29		Averages																										
30		Substitution																										
31		Laws of indices																										


**HBD SCHOOL**  
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Student K

Mark

38

Grade

3

Edexcel GCSE Foundation Paper 1 Set 3

Topic 1	Topic 2	Total Marks	Marks achieved	Score	Result
Converting FDPs		1	0		
Rounding		1	0		
Collecting like terms		1	1		
Multiples		1	1		
Reflection		1	1		
Converting units (length)		1	1		
Fractions of an amount		1	1		
Bar charts		1	1		
Writing ratios		1	1		
Solving equations		2	1		
Angles (triangle)		2	2		
Negative numbers		2	2		
Fraction arithmetic		2	2		
Expected outcomes		2	2		
Money problems		2	2		
Substitution		2	2		
Expanding brackets		2	2		
Direct proportion		2	2		
Estimation		2	2		
Venn diagrams		2	2		
Plans and elevation		2	2		
Money problems		2	2		
Prime factors		2	2		
Nth Term		2	2		
LoD		2	2		
Powers of 10		2	2		
Angles (polygon)		4	4		
Compound measures		4	4		
Averages		4	4		
Substitution		4	4		

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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"> <li>• <b>Prime factors 1</b></li> <li>• Fraction arithmetic 2</li> <li>• Money problems 4</li> <li>• <b>Powers of 10 5</b></li> <li>• Negative/fractional indices 10</li> <li>• Recurring decimal 13</li> <li>• Surds 20</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Percentage profit 4</b></li> <li>• <b>Compound measures 7</b></li> <li>• Write a ratio 11</li> <li>• Inverse proportion 16</li> <li>• Ratio problem 19</li> </ul>	<ul style="list-style-type: none"> <li>• Linear sequence 9</li> <li>• Non-linear sequence 9</li> <li>• <b>Laws of indices 10</b></li> <li>• Write an equation 17, 19, 21</li> <li>• Solving quadratics 17</li> <li>• Quadratic graphs 18</li> <li>• Turning point 18</li> <li>• Simultaneous equations 19</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Loci 3</b></li> <li>• <b>Scale drawing 3</b></li> <li>• <b>Angles (polygons) 6</b></li> <li>• <b>Volume 7</b></li> <li>• Exact trig value 14</li> <li>• Pythagoras' theorem 17</li> <li>• Area of a rectangle 21</li> </ul>	<ul style="list-style-type: none"> <li>• Probability 12</li> <li>• Dependent events 15</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Averages 8</b></li> <li>• Cumulative frequency 11</li> </ul>
Paper 2	<ul style="list-style-type: none"> <li>• <b>Writing in standard form 6</b></li> <li>• <b>Standard form calculation 6</b></li> <li>• Use of a calculator 8</li> <li>• Product rule for counting 10</li> <li>• Iterative process 17</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Inverse proportion 4</b></li> <li>• Simplifying ratios 6</li> <li>• Reverse percentages 9</li> <li>• Ratio problem 16</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Expanding brackets 1</b></li> <li>• <b>Solving inequalities 1</b></li> <li>• Changing the subject 11</li> <li>• Real life graphs 12</li> <li>• Gradient 12</li> <li>• Expand polynomial 15</li> <li>• Forming and solving quadratics 15</li> <li>• Algebraic fractions 18</li> <li>• Factorising 18</li> <li>• Transformations of graphs 19</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Trigonometry 2, 21</b></li> <li>• <b>Angles (polygon) 5</b></li> <li>• <b>Vector calculations 7</b></li> <li>• Enlargement 13</li> <li>• Circle theorems 14</li> <li>• Volume 15, 21</li> <li>• Area of a sector 21</li> <li>• Area of a triangle 21</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Experimental probability 3</b></li> </ul>	<ul style="list-style-type: none"> <li>• Histogram 20</li> <li>• Estimated mean 20</li> </ul>
Paper 3	<ul style="list-style-type: none"> <li>• <b>HCF 2</b></li> <li>• Bounds 19</li> </ul>	<ul style="list-style-type: none"> <li>• Ratio problem 4, 16</li> <li>• <b>Speed 5</b></li> <li>• Convert units 9</li> <li>• Compound interest 12</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Sequences 1</b></li> <li>• <b>Write and solve equations 1</b></li> <li>• <b>Coordinates 4</b></li> <li>• Solving simultaneous equations graphically 6</li> <li>• Parallel, perpendicular lines 6</li> <li>• Gradient 6</li> <li>• Laws of indices 11</li> <li>• Functions 13</li> <li>• Changing the subject 16</li> <li>• Proof 17</li> <li>• Algebraic fractions 18</li> <li>• Solving quadratics 18</li> <li>• Equation of a circle 21</li> </ul>	<ul style="list-style-type: none"> <li>• Transformations 8</li> <li>• Similar shapes 10</li> <li>• Surface area 15</li> <li>• 3D Pythagoras 15</li> <li>• Vectors 20</li> <li>• Area of a triangle 21</li> </ul>	<ul style="list-style-type: none"> <li>• Probability 7</li> <li>• Expected outcomes 7</li> <li>• Conditional probability 14</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Averages 3</b></li> <li>• Box plot 14</li> </ul>