



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