

Produced by Third Space Learning:

Note: topics in bold appear on both tiers and so may be overlap questions

AQA Foundation

	Number	Ratio	Algebra	Geometry	Probability	Statistics
Paper 1	<ul style="list-style-type: none"> <li>Four operations</li> <li>Negative number</li> <li>Order of operations</li> <li>Estimation</li> <li><b>Fraction arithmetic</b></li> <li><b>Fraction of a number</b></li> <li><b>Laws of indices</b></li> <li><b>Standard form conversion and calculation</b></li> <li>Inequality notation</li> <li>Systematic listing</li> </ul>	<ul style="list-style-type: none"> <li>Conversions: lengths</li> <li>Percentage of an amount</li> <li>Amount as a percentage</li> <li>Fraction less than 1</li> <li><b>Ratio in simplest form</b></li> <li>Ratio to fraction</li> <li>Cost problem</li> <li>Density</li> </ul>	<ul style="list-style-type: none"> <li><b>Linear equations</b></li> <li><b>Recognise graphs</b></li> <li>Plot graphs</li> <li>Linear graph</li> <li>Intersection of lines</li> <li>Interpret graphs</li> <li>Formula (reasoning)</li> <li>Sequence rule to find a term</li> </ul>	<ul style="list-style-type: none"> <li>Naming circle part</li> <li>Types of triangle</li> <li>Translation</li> <li>Perimeter</li> <li><b>Sector of a circle</b></li> <li>Angles in triangles</li> <li><b>Constructions: region</b></li> </ul>	<ul style="list-style-type: none"> <li>Probability: problem</li> <li><b>Venn diagram</b></li> </ul>	<ul style="list-style-type: none"> <li>Two-way table</li> <li>Averages problem</li> <li>Outlier</li> </ul>
Paper 2	<ul style="list-style-type: none"> <li>Order of operations</li> <li>Fraction of a number</li> <li>Improper fraction</li> <li>Fraction to decimal</li> <li>Number line decimal</li> <li>Number problem</li> <li><b>Prime number</b></li> <li><b>Cube number</b></li> <li><b>Decimal place</b></li> <li>Inequality notation</li> </ul>	<ul style="list-style-type: none"> <li><b>Time conversion</b></li> <li>Ratio and percentage</li> <li><b>Percentage increase</b></li> <li><b>Percentage decrease</b></li> <li>Ratio <math>n : 1</math> form</li> <li>Proportion problem</li> <li>Scale diagram</li> <li>Better value</li> <li>Ratio to percentage</li> <li><b>Equation to percentage</b></li> <li><b>Rate of output</b></li> </ul>	<ul style="list-style-type: none"> <li><b>Linear equations</b></li> <li>Equivalent expressions</li> <li>Terms</li> <li><b>Multiply out</b></li> <li>Factorisation</li> <li>Coordinates</li> <li>Midpoint</li> <li>Point on line</li> <li>Intercept of a line</li> <li>Gradient of a line</li> <li>Equation of a line</li> </ul>	<ul style="list-style-type: none"> <li>Draw shape</li> <li>Quadrilateral</li> <li>Parallelogram</li> <li>Part of circle</li> <li><b>Pythagoras</b></li> <li>Time problem</li> <li><b>Area/volume: compound shape</b></li> </ul>	<ul style="list-style-type: none"> <li><b>Relative frequency</b></li> <li><b>Expected value</b></li> <li>Tree diagram</li> </ul>	<ul style="list-style-type: none"> <li><b>Pie chart</b></li> <li>Range</li> <li><b>Mean</b></li> </ul>
Paper 3	<ul style="list-style-type: none"> <li>Place value</li> <li>Factor</li> <li>Multiple</li> <li><b>Highest common factor</b></li> <li><b>Error interval</b></li> <li>Indices calculation</li> <li>Money problem</li> <li>Units of measure</li> </ul>	<ul style="list-style-type: none"> <li>Conversions: lengths, time</li> <li><b>Share into a ratio</b></li> <li>Ratio problem</li> <li>Interpretation</li> <li>Ratio to graph</li> <li><b>Average speed</b></li> <li><b>Percentage increase</b></li> <li>Fraction to percentage</li> </ul>	<ul style="list-style-type: none"> <li>Number machine</li> <li><b>Simplification</b></li> <li>Substitution</li> <li>Formula</li> <li><b>Graphs: roots, turning point</b></li> <li><b>Arithmetic sequence</b></li> <li><b>Geometric sequence</b></li> <li><b><math>n</math>th term</b></li> </ul>	<ul style="list-style-type: none"> <li>Name shape</li> <li>Regular shape</li> <li>Line symmetry</li> <li>Rotational symmetry</li> <li>Circle</li> <li>Cylinder</li> <li>Sphere</li> <li><b>Trigonometry</b></li> <li><b>Area/volume: compound shape</b></li> <li>Perimeter</li> <li>Alternate angles</li> <li><b>Vector arithmetic</b></li> </ul>	<ul style="list-style-type: none"> <li>Frequency tree</li> <li>Estimate of probability</li> </ul>	<ul style="list-style-type: none"> <li><b>Two-way table</b></li> <li>Vertical line diagram</li> <li>Mean from diagram</li> <li>Bar chart</li> </ul>

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AQA Higher

	Number	Ratio	Algebra	Geometry	Probability	Statistics
Paper 1	<ul style="list-style-type: none"> <li>Decimal arithmetic</li> <li><b>Fraction arithmetic</b></li> <li><b>Fraction of a number</b></li> <li>Value as fraction of another</li> <li>Recurring decimals as fractions</li> <li>Percentage as operator</li> <li><b>Laws of indices</b></li> <li><b>Standard form conversion and calculation</b></li> <li>Surds simplification</li> </ul>	<ul style="list-style-type: none"> <li><b>Ratio in simplest form</b></li> <li>Proportion problem</li> </ul>	<ul style="list-style-type: none"> <li>Equation of a straight line</li> <li><b>Linear equations</b></li> <li>Identity</li> <li>Simplification of algebraic fraction</li> <li>Simplification</li> <li>Factorisation of quadratic</li> <li>Change subject</li> <li><b>Recognise graphs</b></li> <li>Sketch function</li> <li>Speed time</li> <li>Inequality region</li> <li><b>Interpret graphs</b></li> <li>Algebraic sequences</li> </ul>	<ul style="list-style-type: none"> <li>Congruence</li> <li>Prism</li> <li>Faces</li> <li>Exact trigonometric values</li> <li><b>Sector of a circle</b></li> <li>Vector geometry</li> <li><b>Constructions: region</b></li> </ul>	<ul style="list-style-type: none"> <li><b>Venn diagram</b></li> <li>Tree diagram</li> <li>Expected value</li> <li>Independent events</li> </ul>	<ul style="list-style-type: none"> <li>Cumulative frequency</li> </ul>
Paper 2	<ul style="list-style-type: none"> <li><b>Prime number</b></li> <li><b>Cube number</b></li> <li>Reciprocal</li> <li><b>Decimal places</b></li> <li>Bounds</li> <li>Fractions: products</li> <li>Negative indices</li> </ul>	<ul style="list-style-type: none"> <li>Share into a ratio</li> <li>Ratio on a line</li> <li>Fraction to percentage</li> <li><b>Time conversion</b></li> <li><b>Equation to percentage</b></li> <li><b>Rate of output</b></li> <li>Pressure</li> <li><b>Percentage increase</b></li> <li><b>Percentage decrease</b></li> </ul>	<ul style="list-style-type: none"> <li>Equation of a circle</li> <li><b>Linear equations</b></li> <li>Quadratic equations</li> <li>Number line inequality</li> <li>Factorisation of quadratic</li> <li><b>Multiply out</b></li> <li>Completing the square</li> <li>Coordinate problem</li> <li>Perpendicular lines</li> <li>Turning point</li> <li>Inverse functions</li> <li>Triangular numbers</li> </ul>	<ul style="list-style-type: none"> <li><b>Area/volume: compound shape</b>, cone, hemisphere</li> <li>Volume scale factor</li> <li>Plan</li> <li><b>Pythagoras</b></li> <li>Time</li> <li>Geometric proof</li> </ul>	<ul style="list-style-type: none"> <li><b>Relative frequency</b></li> <li><b>Expected value</b></li> <li>Notation</li> </ul>	<ul style="list-style-type: none"> <li>Estimation from sample</li> <li><b>Pie chart</b></li> <li><b>Mean</b></li> </ul>
Paper 3	<ul style="list-style-type: none"> <li><b>Highest common factor</b></li> <li>Lowest common multiple</li> <li><b>Error interval</b></li> <li>Ordering decimals</li> <li>Recurring decimals</li> <li>Product rule for counting</li> </ul>	<ul style="list-style-type: none"> <li><b>Share into a ratio</b></li> <li><b>Average speed</b></li> <li>Population density</li> <li><b>Percentage increase</b></li> <li>Compound interest</li> </ul>	<ul style="list-style-type: none"> <li>Quadratic equations</li> <li>Simultaneous linear/quadratic</li> <li><b>Simplification</b></li> <li>Triple bracket</li> <li>Factorisation</li> <li>Quadratic (manipulation)</li> <li><b>Graphs: roots, turning point</b></li> <li>Quadratic graph</li> <li>Exponential graph</li> <li>Composite functions</li> <li><b>Arithmetic sequence</b></li> <li><b>Geometric sequence</b></li> <li><b>nth term</b></li> </ul>	<ul style="list-style-type: none"> <li><b>Area/volume: compound shape</b>, cylinder</li> <li>Quadrilateral</li> <li>Circle theorems</li> <li><b>Trigonometry</b></li> <li>Sine/cosine rule</li> <li><b>Vector arithmetic</b></li> <li>Bearings</li> </ul>	<ul style="list-style-type: none"> <li>Independent events</li> </ul>	<ul style="list-style-type: none"> <li><b>Two-way table</b></li> <li>Histogram</li> <li>Box plot</li> <li>Median, quartiles</li> <li>Interquartile range</li> <li>Line of best fit</li> <li>Outlier</li> </ul>