

It is not possible for anyone to accurately predict which topics will be on Papers 2 or 3 by analysing Paper 1.

However, we can give some revision guidance.

**Topics in large bold type are 'strongly advised revision'.**

Topics in a normal font are 'advised revision'.

Topics in a very small font can probably be left alone.

*If a topic appeared on Paper 1 it may still appear on one of the other papers.*

**For AQA  
ONLY**

Remember:

One Minute Maths is your friend for quick revision.

Clip	Title	Topic	Grade	Did it appear on Paper 1?
1	Place Value	Number	1	
2	Ordering Integers	Number	1	
3	Ordering Decimals	Number	1	
4	Reading Scales	Number	1	
5	Simple Mathematical Notation	Number	1	
6a	Interpreting Real-Life Tables - Time	Number	1	
6b	Interpreting Real-Life Tables - Timetables and Distance Tables	Number	1	
7	Introduction to Algebraic Conventions	Algebra	1	
8	Coordinates	Algebra	1	Qu 6
9	Simple Geometric Definitions	Geometry	1	Qu 11
10	Polygons	Geometry	1	Qu 10
11	Symmetries	Geometry	1	
12a	Tessellations and Congruency - Tessellations	Geometry	1	
12b	Tessellations and Congruency - Congruent Shapes	Geometry	1	
13	Names of Angles	Geometry	1	Qu 1
14	The Probability Scale	Probability	1	
15	Tally Charts and Bar Charts	Probability	1	
16	Pictograms	Probability	1	
17	Adding Integers and Decimals	Number	2	Qu 5a
18	Subtracting Integers and Decimals	Number	2	
19	Multiplying Integers	Number	2	Qu 10b
20	Dividing Integers	Number	2	
21	Inverse Operations	Number	2	
22a	Money Questions - Non-Calculator Questions	Number	2	
<b>22b</b>	<b>Money Questions - Calculator Questions</b>	<b>Number</b>	<b>2</b>	

Clip	Title	Topic	Grade	Did it appear on Paper 1?
23	Negatives in Real Life	Number	2	
24	Introduction to Fractions	Number	2	
25	Equivalent Fractions	Number	2	
26	Simplifying Fractions	Number	2	
27	Half-Way Values	Number	2	
28	Factors, Multiples and Primes	Number	2	Qu 9a
29	Introduction to Powers/Indices	Number	2	Qu 23
30	Multiplying and Dividing by Powers of 10	Number	2	
31	Rounding to the Nearest 10, 100, 1000	Number	2	
32	Rounding to Decimal places	Number	2	
<b>33</b>	<b>Simplifying - Addition and Subtraction</b>	<b>Algebra</b>	<b>2</b>	
<b>34</b>	<b>Simplifying - Multiplication</b>	<b>Algebra</b>	<b>2</b>	
<b>35</b>	<b>Simplifying - Division</b>	<b>Algebra</b>	<b>2</b>	
36	Function Machines	Algebra	2	
<b>37</b>	<b>Generating a Sequence - Term to Term</b>	<b>Algebra</b>	<b>2</b>	
<b>38</b>	<b>Introduction to Ratio</b>	<b>Ratio</b>	<b>2</b>	Qu 17
39	Using Ratio for Recipe Questions	Ratio	2	
40	Introduction to Percentages	Ratio	2	
41	Value for Money	Ratio	2	
<b>42</b>	<b>Simple Proportion</b>	<b>Ratio</b>	<b>2</b>	
43	Properties of Solids	Geometry	2	
44	Nets	Geometry	2	
<b>45</b>	<b>Angles on a Line and at a Point</b>	<b>Geometry</b>	<b>2</b>	
46a	Measuring and drawing Angles - Measuring	Geometry	2	
46b	Measuring and drawing Angles - Drawing	Geometry	2	
47	Drawing a Triangle Using a Protractor	Geometry	2	
<b>48</b>	<b>Reflections</b>	<b>Geometry</b>	<b>2</b>	
<b>49</b>	<b>Rotations</b>	<b>Geometry</b>	<b>2</b>	
<b>50</b>	<b>Translations</b>	<b>Geometry</b>	<b>2</b>	
51	Plans and Elevations	Geometry	2	

Clip	Title	Topic	Grade	Did it appear on Paper 1?
<b>52</b>	<b>Perimeters</b>	<b>Geometry</b>	<b>2</b>	
<b>53</b>	<b>Area of a Rectangle</b>	<b>Geometry</b>	<b>2</b>	
<b>54</b>	<b>Area of a Triangle</b>	<b>Geometry</b>	<b>2</b>	
<b>55</b>	<b>Area of a Parallelogram</b>	<b>Geometry</b>	<b>2</b>	
<b>56</b>	<b>Area of a Trapezium</b>	<b>Geometry</b>	<b>2</b>	
<b>57</b>	<b>Frequency Trees</b>	<b>Probability</b>	<b>2</b>	
58	Listing Outcomes	Probability	2	
<b>59</b>	<b>Calculating Probabilities</b>	<b>Probability</b>	<b>2</b>	Qu 8b
<b>60</b>	<b>Mutually Exclusive Events</b>	<b>Probability</b>	<b>2</b>	
61	Two-Way Tables	Probability	2	
<b>62</b>	<b>Averages and the Range</b>	<b>Probability</b>	<b>2</b>	
63	Data - Discrete and Continuous	Probability	2	
64	Vertical Line Charts	Probability	2	Qu 8a
<b>65</b>	<b>Frequency Tables and Diagrams</b>	<b>Probability</b>	<b>2</b>	
66	Multiplying Decimals	Number	3	Qu 5b
67	Dividing Decimals	Number	3	
68a	Four Rules of Negatives - Adding and Subtracting	Number	3	Qu 3
68b	Four Rules of Negatives - Multiplying and Dividing	Number	3	
<b>69</b>	<b>Listing Strategies</b>	<b>Number</b>	<b>3</b>	
70	Comparing Fractions	Number	3	
71a	Adding and Subtracting Fractions - A Standard Method	Number	3	
71b	Adding and Subtracting Fractions - An Alternative Method	Number	3	
<b>72</b>	<b>Finding a Fraction of an Amount</b>	<b>Number</b>	<b>3</b>	Qu 4
73	Multiplying Fractions	Number	3	Qu 13
74	Dividing Fractions	Number	3	
75	BODMAS/BIDMAS	Number	3	
<b>76</b>	<b>Reciprocals</b>	<b>Number</b>	<b>3</b>	
<b>77</b>	<b>Calculator Questions</b>	<b>Number</b>	<b>3</b>	
<b>78</b>	<b>Product of Primes</b>	<b>Number</b>	<b>3</b>	
<b>79</b>	<b>Highest Common Factor (HCF)</b>	<b>Number</b>	<b>3</b>	

Clip	Title	Topic	Grade	Did it appear on Paper 1?
80	Lowest Common Multiple (LCM)	Number	3	Qu 9b
81	Squares, Cubes and Roots	Number	3	
82	Working with Indices	Number	3	Qu 20b
83	Standard Form	Number	3	Qu 20a
84	Decimals and Fractions	Number	3	
85	Fractions, Percentages, Decimals	Number	3	
<b>86</b>	<b>Percentage of an Amount (Calc.)</b>	<b>Number</b>	<b>3</b>	
87	Percentage of an Amount (Non-Calc.)	Number	3	Qu 12
<b>88</b>	<b>Change to a Percentage (Calc.)</b>	<b>Number</b>	<b>3</b>	
89	Change to a Percentage (Non-Calc.)	Number	3	
<b>90</b>	<b>Rounding to Significant Figures</b>	<b>Number</b>	<b>3</b>	
91	Estimating Answers	Number	3	
92	Using Place Value	Number	3	
<b>93</b>	<b>Expanding Brackets</b>	<b>Algebra</b>	<b>3</b>	
<b>94</b>	<b>Simple Factorisation</b>	<b>Algebra</b>	<b>3</b>	
<b>95</b>	<b>Substitution</b>	<b>Algebra</b>	<b>3</b>	
<b>96</b>	<b>Straight Line Graphs</b>	<b>Algebra</b>	<b>3</b>	
<b>97</b>	<b>The Gradient of a Line</b>	<b>Algebra</b>	<b>3</b>	
<b>98</b>	<b>Drawing Quadratic Graphs</b>	<b>Algebra</b>	<b>3</b>	
99	Sketching Functions	Algebra	3	
100	Solving Equations using Flowcharts	Algebra	3	
101	Subject of a Formula using Flowcharts	Algebra	3	
<b>102</b>	<b>Generating a Sequence from the nth Term</b>	<b>Algebra</b>	<b>3</b>	
<b>103</b>	<b>Finding the nth Term</b>	<b>Algebra</b>	<b>3</b>	
<b>104</b>	<b>Special Sequences</b>	<b>Algebra</b>	<b>3</b>	
<b>105</b>	<b>Exchanging Money</b>	<b>Ratio</b>	<b>3</b>	
106	Sharing using Ratio	Ratio	3	Qu 17c
107	Ratios, Fractions and Graphs	Ratio	3	
<b>108</b>	<b>Increase/Decrease by a Percentage</b>	<b>Ratio</b>	<b>3</b>	
<b>109</b>	<b>Percentage Change</b>	<b>Ratio</b>	<b>3</b>	

Clip	Title	Topic	Grade	Did it appear on Paper 1?
<b>110</b>	<b>Reverse Percentage Problems</b>	<b>Ratio</b>	<b>3</b>	
<b>111</b>	<b>Simple Interest</b>	<b>Ratio</b>	<b>3</b>	
<b>112</b>	<b>Metric conversions</b>	<b>Geometry</b>	<b>3</b>	
113	Problems on Coordinate Axes	Geometry	3	
<b>114a</b>	<b>Surface Area of a Prism - Cuboids</b>	<b>Geometry</b>	<b>3</b>	
<b>114b</b>	<b>Surface Area of a Prism - Triangular Prisms</b>	<b>Geometry</b>	<b>3</b>	
115	Volume of a Cuboid	Geometry	3	Qu 14
<b>116</b>	<b>Circle Definitions</b>	<b>Geometry</b>	<b>3</b>	
117	Area of a Circle	Geometry	3	Qu 25
<b>118</b>	<b>Circumference of a Circle</b>	<b>Geometry</b>	<b>3</b>	
<b>119</b>	<b>Volume of a Prism</b>	<b>Geometry</b>	<b>3</b>	
<b>120</b>	<b>Angles and Parallel Lines</b>	<b>Geometry</b>	<b>3</b>	
<b>121</b>	<b>Angles in a Triangle</b>	<b>Geometry</b>	<b>3</b>	
<b>122</b>	<b>Properties of Special Triangles</b>	<b>Geometry</b>	<b>3</b>	
<b>123</b>	<b>Angle Sum of Polygons</b>	<b>Geometry</b>	<b>3</b>	
124	Bearings	Geometry	3	Qu 16
<b>125</b>	<b>Experimental Probabilities</b>	<b>Probability</b>	<b>3</b>	
126	Possibility Spaces	Probability	3	
<b>127a</b>	<b>Venn Diagrams - Introduction</b>	<b>Probability</b>	<b>3</b>	
<b>127b</b>	<b>Venn Diagrams - Notation</b>	<b>Probability</b>	<b>3</b>	
<b>128a</b>	<b>Representing Data - Pie Charts</b>	<b>Probability</b>	<b>3</b>	
128b	Representing Data - Stem and Leaf Diagrams	Probability	3	
<b>129</b>	<b>Scatter Diagrams</b>	<b>Probability</b>	<b>3</b>	
<b>130a</b>	<b>Averages from a table - Basics</b>	<b>Probability</b>	<b>3</b>	
<b>130b</b>	<b>Averages from a table - Estimate for the Mean</b>	<b>Probability</b>	<b>3</b>	
<b>131</b>	<b>Index Notation</b>	<b>Number</b>	<b>4</b>	
<b>132</b>	<b>Introduction to Bounds</b>	<b>Number</b>	<b>4</b>	
133	Midpoint of a Line on a Graph	Algebra	4	
<b>134a</b>	<b>Expanding and Simplifying Brackets - Single Set of Brackets</b>	<b>Algebra</b>	<b>4</b>	

Clip	Title	Topic	Grade	Did it appear on Paper 1?
134b	Expanding and Simplifying Brackets - Double Set of Brackets	Algebra	4	Qu 28
<b>135a</b>	<b>Solving Equations - Balancing</b> 135a or 135b, not both.	<b>Algebra</b>	<b>4</b>	Qu 2
<b>135b</b>	<b>Solving Equations - Float &amp; Ping</b> 135a or 135b, not both.	<b>Algebra</b>	<b>4</b>	Qu 2
136	Rearranging Simple Formulae	Algebra	4	Qu 24, Qu 27
<b>137</b>	<b>Forming Formulae and Equations</b>	<b>Algebra</b>	<b>4</b>	
<b>138</b>	<b>Inequalities on a Number Line</b>	<b>Algebra</b>	<b>4</b>	
<b>139</b>	<b>Solve Linear Inequalities</b>	<b>Algebra</b>	<b>4</b>	
<b>140</b>	<b>Simultaneous Equations Graphically</b>	<b>Algebra</b>	<b>4</b>	
<b>141</b>	<b>Fibonacci Sequences</b>	<b>Algebra</b>	<b>4</b>	
<b>142</b>	<b>Compound Units</b>	<b>Ratio</b>	<b>4</b>	
<b>143</b>	<b>Distance-Time Graphs</b>	<b>Ratio</b>	<b>4</b>	
<b>144</b>	<b>Similar Shapes</b>	<b>Ratio</b>	<b>4</b>	
<b>145</b>	<b>Bisecting an Angle</b>	<b>Geometry</b>	<b>4</b>	
<b>146a</b>	<b>Constructing Perpendiculars - Bisecting a Line</b>	<b>Geometry</b>	<b>4</b>	
<b>146b</b>	<b>Constructing Perpendiculars - From any Point</b>	<b>Geometry</b>	<b>4</b>	
<b>147</b>	<b>Draw a Triangle Using Compasses</b>	<b>Geometry</b>	<b>4</b>	
<b>148</b>	<b>Enlargements</b>	<b>Geometry</b>	<b>4</b>	
149	Tangents, Arcs, Sectors and Segments	Geometry	4	
<b>150a</b>	<b>Pythagoras' Theorem - A Simple Approach</b> 150a or 150b, not both.	<b>Geometry</b>	<b>4</b>	
<b>150b</b>	<b>Pythagoras' Theorem - An Algebraic Approach</b> 150a or 150b, not both.	<b>Geometry</b>	<b>4</b>	
150c	Pythagoras' Theorem - Line on a Graph	Geometry	4	
151	Simple Tree Diagrams	Probability	4	Qu 21
152	Sampling Populations	Probability	4	
153	Time Series	Probability	4	
<b>154</b>	<b>Negative Indices</b>	<b>Number</b>	<b>5</b>	
<b>155</b>	<b>Error Intervals</b>	<b>Number</b>	<b>5</b>	
156	Mathematical Reasoning	Number	5	
<b>157</b>	<b>Factorising and Solving Quadratics</b>	<b>Algebra</b>	<b>5</b>	
<b>158</b>	<b>The Difference of Two Squares</b>	<b>Algebra</b>	<b>5</b>	

Clip	Title	Topic	Grade	Did it appear on Paper 1?
<b>159a</b>	<b>Finding the Equation of a Straight Line - <math>y=mx+c</math></b>	<b>Algebra</b>	<b>5</b>	
<b>159b</b>	<b>Finding the Equation of a Straight Line - Gradient and Coordinates</b>	<b>Algebra</b>	<b>5</b>	
<b>160</b>	<b>Roots and Turning Points of Quadratics</b>	<b>Algebra</b>	<b>5</b>	
161	Cubic and Reciprocal Graphs	Algebra	5	Qu 26
<b>162</b>	<b>Simultaneous Equations Algebraically</b>	<b>Algebra</b>	<b>5</b>	
163	Geometric Progressions	Algebra	5	
<b>164</b>	<b>Compound Interest and Depreciation</b>	<b>Ratio</b>	<b>5</b>	
165	Loci	Geometry	5	
166	Congruent triangles	Geometry	5	
167	Sectors of a Circle	Geometry	5	
<b>168</b>	<b>Trigonometry</b>	<b>Geometry</b>	<b>5</b>	
169	Spheres	Geometry	5	
170	Pyramids	Geometry	5	
171	Cones	Geometry	5	
172	Frustums	Geometry	5	
173	Exact Trigonometric Values	Geometry	5	
174	Introduction to Vectors	Geometry	5	
175	Harder Tree Diagrams	Probability	5	
176	Stratified sampling	Probability	5	















