
Our lists of clip numbers to revise is taken from the document that AQA published on the
It can be found here: <https://www.aqa.org.uk/subjects/mathematics/gcse/mathematics-8>

The first three tabs list the topics that will be covered in each of the three foundation papers

The 'Collated Content' tab brings together all of the topics that will be covered in one or more

Our lists of topics have been carefully compiled from the AQA document.

However, some of their descriptors were vague and our list CANNOT be considered as definitive.
Ultimately, the responsibility for directing the revision of students must lie with the teacher.

If you feel we have missed any topics or included ones you think should not be on the list

7th Feb 2022.
1300/changes-for-2022

ers.

more of the three foundation papers.

exhaustive - it is for guidance only.
rs/lecturers of the school/college.

t, please contact us at info@mathswatch.com

AQA

8300/1F June 2022

| CLIP | TITLE | TOPIC | GRADE |
|--------------|---|-------------|-------|
| 5 | Simple Mathematical Notation | Number | 1 |
| 17 | Adding Integers and Decimals | Number | 2 |
| 18 | Subtracting Integers and Decimals | Number | 2 |
| 19 | Multiplying Integers | Number | 2 |
| 20 | Dividing Integers | Number | 2 |
| 23 | Negatives in Real Life | Number | 2 |
| 29 | Introduction to Powers/Indices | Number | 2 |
| 71 | Adding and Subtracting Fractions | Number | 3 |
| 72 | Finding a Fraction of an Amount | Number | 3 |
| 73 | Multiplying Fractions | Number | 3 |
| 74 | Dividing Fractions | Number | 3 |
| 75 | BODMAS/BIDMAS | Number | 3 |
| 82 | Working with Indices | Number | 3 |
| 83 | Standard Form | Number | 3 |
| 87 | Percentage of an Amount (Non-Calc.) | Number | 3 |
| 91 | Estimating Answers | Number | 3 |
| 37 | Generating a Sequence - Term to Term | Algebra | 2 |
| 96 | Straight Line Graphs | Algebra | 3 |
| 100 | Solving Equations using Flowcharts | Algebra | 3 |
| 102 | Generating a Sequence from the nth Term | Algebra | 3 |
| 135a or 135b | Solving Equations | Algebra | 4 |
| 137 | Forming Formulae and Equations | Algebra | 4 |
| 140 | Simultaneous Equations Graphically | Algebra | 4 |
| 38 | Introduction to Ratio | Ratio | 2 |
| 40 | Introduction to Percentages | Ratio | 2 |
| 41 | Value for Money | Ratio | 2 |
| 106 | Sharing using Ratio | Ratio | 3 |
| 107 | Ratios, Fractions and Graphs | Ratio | 3 |
| 142 | Compound Units | Ratio | 4 |
| 9 | Simple Geometric Definitions | Geometry | 1 |
| 50 | Translations | Geometry | 2 |
| 52 | Perimeters | Geometry | 2 |
| 116 | Circle Definitions | Geometry | 3 |
| 121 | Angles in a Triangle | Geometry | 3 |
| 146 | Loci | Geometry | 4 |
| 167 | Sectors of a Circle | Geometry | 5 |
| 59 | Calculating Probabilities | Probability | 2 |
| 61 | Two-Way Tables | Probability | 2 |
| 62 | Averages and the Range | Probability | 2 |
| 127a | Venn Diagrams - Introduction | Probability | 3 |
| 127b | Venn Diagrams - Notation | Probability | 3 |
| 129 | Scatter Diagrams | Probability | 3 |
| 130a | Averages from a table - Basics | Probability | 3 |

AQA

8300/2F June 2022

| CLIP | TITLE | TOPIC |
|--------------|--|-------------|
| 3 | Ordering Decimals | Number |
| 5 | Simple Mathematical Notation | Number |
| 6a | Interpreting Real-Life Tables - Time | Number |
| 28 | Factors, Multiples and Primes | Number |
| 32 | Rounding to Decimal places | Number |
| 75 | BODMAS/BIDMAS | Number |
| 81 | Squares, Cubes and Roots | Number |
| 84 | Decimals and Fractions | Number |
| 7 | Introduction to Algebraic Conventions | Algebra |
| 8 | Coordinates | Algebra |
| 33 | Simplifying - Addition and Subtraction | Algebra |
| 34 | Simplifying - Multiplication | Algebra |
| 94 | Simple Factorisation | Algebra |
| 97 | The Gradient of a Line | Algebra |
| 133 | Midpoint of a Line on a Graph | Algebra |
| 135a or 135b | Solving Equations | Algebra |
| 159a | Finding the Equation of a Straight Line - $y=mx+c$ | Algebra |
| 159b | Finding the Equation of a Straight Line - Gradient and Coordinates | Algebra |
| 38 | Introduction to Ratio | Ratio |
| 41 | Value for Money | Ratio |
| 42 | Introduction to Proportion | Ratio |
| 108 | Increase/Decrease by a Percentage | Ratio |
| 109 | Percentage Change | Ratio |
| 9 | Simple Geometric Definitions | Geometry |
| 53 | Area of a Rectangle | Geometry |
| 54 | Area of a Triangle | Geometry |
| 55 | Area of a Parallelogram | Geometry |
| 56 | Area of a Trapezium | Geometry |
| 115 | Volume of a Cuboid | Geometry |
| 116 | Circle Definitions | Geometry |
| 119 | Volume of a Prism | Geometry |
| 150a or b | Pythagoras' Theorem | Geometry |
| 59 | Calculating Probabilities | Probability |
| 62 | Averages and the Range | Probability |
| 125 | Experimental Probabilities | Probability |
| 128a | Representing Data - Pie Charts | Probability |
| 151 | Simple Tree Diagrams | Probability |
| 175 | Harder Tree Diagrams | Probability |

GRADE

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AQA

8300/3F June 2022

| CLIP | TITLE | TOPIC | GRADE |
|------|--|----------|-------|
| 1 | Place Value | Number | 1 |
| 6a | Interpreting Real-Life Tables - Time | Number | 1 |
| 6b | Interpreting Real-Life Tables - Timetables and Distance Tables | Number | 1 |
| 22b | Money Questions - Calculator Questions | Number | 2 |
| 28 | Factors, Multiples and Primes | Number | 2 |
| 29 | Introduction to Powers/Indices | Number | 2 |
| 79 | Highest Common Factor (HCF) | Number | 3 |
| 82 | Working with Indices | Number | 3 |
| 88 | Change to a Percentage (Calc.) | Number | 3 |
| 155 | Error Intervals | Number | 5 |
| 33 | Simplifying - Addition and Subtraction | Algebra | 2 |
| 34 | Simplifying - Multiplication | Algebra | 2 |
| 35 | Simplifying - Division | Algebra | 2 |
| 36 | Function Machines | Algebra | 2 |
| 37 | Generating a Sequence - Term to Term | Algebra | 2 |
| 95 | Substitution | Algebra | 3 |
| 101 | Subject of a Formula using Flowcharts | Algebra | 3 |
| 102 | Generating a Sequence from the nth Term | Algebra | 3 |
| 103 | Finding the nth Term | Algebra | 3 |
| 104 | Special Sequences | Algebra | 3 |
| 136 | Rearranging Simple Formulae | Algebra | 4 |
| 160 | Roots and Turning Points of Quadratics | Algebra | 5 |
| 38 | Introduction to Ratio | Ratio | 2 |
| 39 | Using Ratio for Recipe Questions | Ratio | 2 |
| 41 | Value for Money | Ratio | 2 |
| 42 | Introduction to Proportion | Ratio | 2 |
| 105 | Exchanging Money | Ratio | 3 |
| 106 | Sharing using Ratio | Ratio | 3 |
| 107 | Ratios, Fractions and Graphs | Ratio | 3 |
| 108 | Increase/Decrease by a Percentage | Ratio | 3 |
| 142 | Compound Units | Ratio | 4 |
| 143 | Distance-Time Graphs | Ratio | 4 |
| 165a | Ratio Questions - Standard Questions | Ratio | 5 |
| 165b | Ratio Questions - Questions with Overlap | Ratio | 5 |
| 165c | Ratio Questions - Ratios, Fractions, Equations | Ratio | 5 |
| 9 | Simple Geometric Definitions | Geometry | 1 |
| 10 | Polygons | Geometry | 1 |
| 11 | Symmetries | Geometry | 1 |
| 43 | Properties of Solids | Geometry | 2 |
| 45 | Angles on a Line and at a Point | Geometry | 2 |
| 52 | Perimeters | Geometry | 2 |
| 53 | Area of a Rectangle | Geometry | 2 |
| 54 | Area of a Triangle | Geometry | 2 |
| 55 | Area of a Parallelogram | Geometry | 2 |
| 56 | Area of a Trapezium | Geometry | 2 |
| 112 | Metric conversions | Geometry | 3 |
| 115 | Volume of a Cuboid | Geometry | 3 |
| 116 | Circle Definitions | Geometry | 3 |

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| 117 | Area of a Circle | Geometry | 3 |
| 119 | Volume of a Prism | Geometry | 3 |
| 120 | Angles and Parallel Lines | Geometry | 3 |
| 121 | Angles in a Triangle | Geometry | 3 |
| 168 | Trigonometry | Geometry | 5 |
| 169 | Spheres | Geometry | 5 |
| 174 | Introduction to Vectors | Geometry | 5 |
| 15 | Tally Charts and Bar Charts | Probability | 1 |
| 57 | Frequency Trees | Probability | 2 |
| 61 | Two-Way Tables | Probability | 2 |
| 62 | Averages and the Range | Probability | 2 |
| 64 | Vertical Line Charts | Probability | 2 |
| 125 | Experimental Probabilities | Probability | 3 |
| 130a | Averages from a table - Basics | Probability | 3 |
| 130b | Averages from a table - Estimate for the Mean | Probability | 3 |

AQA

Topics for 8300 Foundation Exam June 2022

| CLIP | TITLE | TOPIC | GRADE |
|-----------|--|---------|-------|
| 1 | Place Value | Number | 1 |
| 3 | Ordering Decimals | 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 |
| 17 | Adding Integers and Decimals | Number | 2 |
| 18 | Subtracting Integers and Decimals | Number | 2 |
| 19 | Multiplying Integers | Number | 2 |
| 20 | Dividing Integers | Number | 2 |
| 22b | Money Questions - Calculator Questions | Number | 2 |
| 23 | Negatives in Real Life | Number | 2 |
| 28 | Factors, Multiples and Primes | Number | 2 |
| 29 | Introduction to Powers/Indices | Number | 2 |
| 32 | Rounding to Decimal places | Number | 2 |
| 71 | Adding and Subtracting Fractions | Number | 3 |
| 72 | Finding a Fraction of an Amount | Number | 3 |
| 73 | Multiplying Fractions | Number | 3 |
| 74 | Dividing Fractions | Number | 3 |
| 75 | BODMAS/BIDMAS | Number | 3 |
| 79 | Highest Common Factor (HCF) | Number | 3 |
| 81 | Squares, Cubes and Roots | Number | 3 |
| 82 | Working with Indices | Number | 3 |
| 83 | Standard Form | Number | 3 |
| 84 | Decimals and Fractions | Number | 3 |
| 87 | Percentage of an Amount (Non-Calc.) | Number | 3 |
| 88 | Change to a Percentage (Calc.) | Number | 3 |
| 91 | Estimating Answers | Number | 3 |
| 155 | Error Intervals | Number | 5 |
| 7 | Introduction to Algebraic Conventions | Algebra | 1 |
| 8 | Coordinates | Algebra | 1 |
| 33 | Simplifying - Addition and Subtraction | Algebra | 2 |
| 34 | Simplifying - Multiplication | Algebra | 2 |
| 35 | Simplifying - Division | Algebra | 2 |
| 36 | Function Machines | Algebra | 2 |
| 37 | Generating a Sequence - Term to Term | Algebra | 2 |
| 94 | Simple Factorisation | Algebra | 3 |
| 95 | Substitution | Algebra | 3 |
| 96 | Straight Line Graphs | Algebra | 3 |
| 97 | The Gradient of a Line | Algebra | 3 |
| 100 | Solving Equations using Flowcharts | Algebra | 3 |
| 101 | Subject of a Formula using Flowcharts | Algebra | 3 |
| 102 | Generating a Sequence from the nth Term | Algebra | 3 |
| 103 | Finding the nth Term | Algebra | 3 |
| 104 | Special Sequences | Algebra | 3 |
| 133 | Midpoint of a Line on a Graph | Algebra | 4 |
| 135a or b | Solving Equations | Algebra | 4 |
| 136 | Rearranging Simple Formulae | Algebra | 4 |
| 137 | Forming Formulae and Equations | Algebra | 4 |

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| 140 | Simultaneous Equations Graphically | Algebra | 4 |
| 159a | Finding the Equation of a Straight Line - $y=mx+c$ | Algebra | 5 |
| 159b | Finding the Equation of a Straight Line - Gradient and Coordinates | Algebra | 5 |
| 160 | Roots and Turning Points of Quadratics | Algebra | 5 |
| 38 | Introduction to Ratio | Ratio | 2 |
| 39 | Using Ratio for Recipe Questions | Ratio | 2 |
| 40 | Introduction to Percentages | Ratio | 2 |
| 41 | Value for Money | Ratio | 2 |
| 42 | Introduction to Proportion | Ratio | 2 |
| 105 | Exchanging Money | Ratio | 3 |
| 106 | Sharing using Ratio | Ratio | 3 |
| 107 | Ratios, Fractions and Graphs | Ratio | 3 |
| 108 | Increase/Decrease by a Percentage | Ratio | 3 |
| 109 | Percentage Change | Ratio | 3 |
| 142 | Compound Units | Ratio | 4 |
| 143 | Distance-Time Graphs | Ratio | 4 |
| 165a | Ratio Questions - Standard Questions | Ratio | 5 |
| 165b | Ratio Questions - Questions with Overlap | Ratio | 5 |
| 165c | Ratio Questions - Ratios, Fractions, Equations | Ratio | 5 |
| 9 | Simple Geometric Definitions | Geometry | 1 |
| 10 | Polygons | Geometry | 1 |
| 11 | Symmetries | Geometry | 1 |
| 43 | Properties of Solids | Geometry | 2 |
| 45 | Angles on a Line and at a Point | Geometry | 2 |
| 50 | Translations | Geometry | 2 |
| 52 | Perimeters | Geometry | 2 |
| 53 | Area of a Rectangle | Geometry | 2 |
| 54 | Area of a Triangle | Geometry | 2 |
| 55 | Area of a Parallelogram | Geometry | 2 |
| 56 | Area of a Trapezium | Geometry | 2 |
| 112 | Metric conversions | Geometry | 3 |
| 115 | Volume of a Cuboid | Geometry | 3 |
| 116 | Circle Definitions | Geometry | 3 |
| 116 | Circle Definitions | Geometry | 3 |
| 117 | Area of a Circle | Geometry | 3 |
| 119 | Volume of a Prism | Geometry | 3 |
| 120 | Angles and Parallel Lines | Geometry | 3 |
| 121 | Angles in a Triangle | Geometry | 3 |
| 146 | Loci | Geometry | 4 |
| 150a or b | Pythagoras' Theorem | Geometry | 4 |
| 167 | Sectors of a Circle | Geometry | 5 |
| 168 | Trigonometry | Geometry | 5 |
| 169 | Spheres | Geometry | 5 |
| 174 | Introduction to Vectors | Geometry | 5 |
| 15 | Tally Charts and Bar Charts | Probability | 1 |
| 57 | Frequency Trees | Probability | 2 |
| 59 | Calculating Probabilities | Probability | 2 |
| 61 | Two-Way Tables | Probability | 2 |
| 62 | Averages and the Range | Probability | 2 |
| 64 | Vertical Line Charts | Probability | 2 |
| 125 | Experimental Probabilities | Probability | 3 |
| 127 | Venn Diagrams - Notation | Probability | 3 |

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| 128a | Representing Data - Pie Charts | Probability | 3 |
| 129 | Scatter Diagrams | Probability | 3 |
| 130a | Averages from a table - Basics | Probability | 3 |
| 130b | Averages from a table - Estimate for the Mean | Probability | 3 |
| 151 | Simple Tree Diagrams | Probability | 4 |
| 175 | Harder Tree Diagrams | Probability | 5 |

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|----------|-----------|----|--------------|-----|------|------|
| P | Monday | 5 | 37 | 38 | 9 | 59 |
| | Tuesday | 17 | 96 | 40 | 50 | 61 |
| | Wednesday | 18 | 100 | 41 | 52 | 62 |
| | Thursday | 19 | 102 | 106 | 116 | 127a |
| | Friday | 20 | 135a or 135b | 107 | 121 | 127b |
| | Saturday | | | | | |
| | Sunday | | | | | |
| 1 | Monday | 23 | 137 | 142 | 146 | 129 |
| | Tuesday | 29 | 140 | 167 | 130a | 71 |
| | Wednesday | 72 | 73 | 74 | 75 | 82 |
| | Thursday | 83 | 87 | 91 | | |
| | Friday | | | | | |
| | Saturday | | | | | |
| | Sunday | | | | | |



How to use the revision guide (using Monday as an example):
 View One Minute Maths Clip. 5
 Go to Clip 5 Interactive Questions and do 2 standard and 2 harder questions.
 View One Minute Maths Clip 37
 Go to Clip 37 Interactive Questions and do 2 standard and 2 harder questions.
 Do the same for Clips 38, 9 and 59.

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| P | Monday | 3 | 7 | 38 | 9 | 59 |
| | Tuesday | 5 | 8 | 41 | 53 | 62 |
| | Wednesday | 6a | 33 | 42 | 54 | 125 |
| | Thursday | 28 | 34 | 108 | 55 | 128a |
| | Friday | 32 | 94 | 109 | 56 | 151 |
| | Saturday | | | | | |
| | Sunday | | | | | |
| 2 | Monday | 75 | 97 | 115 | 175 | 81 |
| | Tuesday | 133 | 135a or 135b | 116 | 84 | 119 |
| | Wednesday | 159a | 159b | 150a or b | | |
| | Thursday | | | | | |
| | Friday | | | | | |
| | Saturday | | | | | |
| | Sunday | | | | | |



Blank spaces can be used for viewing full clips for any topic you found especially difficult.

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|----------|-----------|---------|--------|--------|--------|--------|
| P | Monday | 6b, 22b | 33, 34 | 38, 39 | 9, 10 | 15, 57 |
| | Tuesday | 28, 29 | 35, 36 | 41, 42 | 11, 43 | 61, 62 |
| | Wednesday | 79, 82 | 37 | 105 | 45 | 64 |
| | Thursday | 88 | 95 | 106 | 52 | 125 |
| | Friday | 155 | 101 | 107 | 53 | 130a |
| | Saturday | | | | | |
| | Sunday | | | | | |
| 3 | Monday | 102 | 108 | 54 | 130b | 103 |
| | Tuesday | 142 | 55 | 104 | 143 | 56 |
| | Wednesday | 136 | 165a | 112 | 160 | 165b |
| | Thursday | 115 | 165c | 116 | 117 | 119 |
| | Friday | 120 | 121 | 168 | 169 | 174 |

Key:

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| Number clips |
| Algebra clips |
| Ratio clips |
| Geometry clips |
| Probability clips |