



Year 5 Maths Overview

| Term | Unit | Strand |
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| Autumn Textbook A | Unit 1 (8 lessons) | <p>Place Value within 1,000,000 (1):</p> <ul style="list-style-type: none"> • Roman numerals • Numbers to 10,000 • Numbers to 100,000 • Numbers to 1,000,000 • Read and write 5- and 6-digit numbers • Powers of 10 • 10/100/1,000/100,000 more or less • Partition numbers to 1,000,000 |
| | Unit 2 (6 lessons) | <p>Place Value within 1,000,000 (2):</p> <ul style="list-style-type: none"> • Number line to 1,000,000 • Compare and order numbers to 100,000 • Compare and order numbers to 1,000,000 • Round numbers to the nearest 100,000 • Round numbers to the nearest 10,000 • Round numbers to the nearest 10,100 and 1,000 |
| | Unit 3 (12 lessons) | <p>Addition and subtraction</p> <ul style="list-style-type: none"> • Mental strategies (addition) • Mental strategies (subtraction) • Add whole numbers with more than 4 digits (1) • Add whole numbers with more than 4 digits (2) • Subtract whole numbers with more than 4 digits (1) • Subtract whole numbers with more than 4 digits (2) • Round to check answers • Inverse operations (addition and subtraction) • Multi-step addition and subtraction problems (1) • Multi-step addition and subtraction problems (2) • Solve missing number problems • Solve comparison problems |
| | Unit 4 (10 lessons) | <p>Multiplication and division (1)</p> <ul style="list-style-type: none"> • Multiples • Common multiples • Factors • Common factors • Prime numbers • Square numbers • Cube numbers • Multiply by 10,100 and 1000 • Divide by 10, 100 and 1000 • Multiples of 10, 100 and 1000 |



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| | Unit 5 (8 lessons) | Fractions (1) <ul style="list-style-type: none">• Equivalent fractions• Equivalent fractions- unit and non-unit fractions• Equivalent fractions- families of equivalent fractions• Improper fractions to mixed numbers• Mixed numbers to improper fractions• Compare fractions less than 1• Order fractions less than 1• Compare and order fractions greater than 1 |
| | Unit 6 (11 lessons) | Fractions (2) <ul style="list-style-type: none">• Add and subtract fractions• Add fractions within 1• Add fractions with a total greater than 1• Add to a mixed number• Add two mixed numbers• Subtract fractions within 1• Subtract from a mixed number• Subtract from a mixed number- breaking the whole• Subtract two mixed numbers• Solve fraction problems• Solve multi-step fraction problems |



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| Spring Textbook B | Unit 7 (10 lessons) | <p style="text-align: center;">Multiplication and division (2):</p> <ul style="list-style-type: none"> • Multiply a number up to 4-digits by a 1-digit number • Multiply 2-digit numbers (area model) • Multiply 2-digit numbers • Multiply a 3-digit number by a 2-digit number • Multiply a 4-digit number by a 2-digit number • Divide a number up to 4-digits by a 1-digit number (1) • Divide a number with up to 4-digits by a 1-digit number (2) • Divide with remainders • Efficient division • Solve problems with multiplication and division |
| | Unit 8 (7 lessons) | <p style="text-align: center;">Fractions (3):</p> <ul style="list-style-type: none"> • Multiply unit fractions by an integer • Multiply non-unit fractions by an integer • Multiply mixed numbers by integers (1) • Multiply mixed numbers by integers (2) • Fraction of an amount • Finding the whole • Using fractions as operators |
| | Unit 9 (17 lessons) | <p style="text-align: center;">Decimals and percentages:</p> <ul style="list-style-type: none"> • Write decimals up to 2 decimal places- less than 1 • Write decimals up to 2 decimal places- greater than 1 • Equivalent fractions and decimals- tenths • Equivalent fractions and decimals- hundredths • Equivalent fractions and decimals • Thousandths as fractions • Thousandths as decimals • Thousandths on a place value grid • Compare and order decimals- same number of decimal places • Compare and order any decimals with up to 3 decimal places • Round to the nearest whole number • Round to one decimal place • Understand percentages • Percentages as fractions and decimals • Equivalent fractions, decimals and percentages |
| | Unit 10 (8 lessons) | <p style="text-align: center;">Measure- perimeter and area:</p> <ul style="list-style-type: none"> • Perimeter of rectangles • Perimeter of rectilinear shapes (1) • Perimeter of rectilinear shapes (2) • Perimeter of polygons • Area of rectangles (1) • Area of rectangles (2) • Area of compound shapes • Estimate area |
| | Unit 11 (6 lessons) | <p style="text-align: center;">Graphs and tables:</p> <ul style="list-style-type: none"> • Draw line graphs • Read and interpret line graphs (1) • Read and interpret line graphs (2) • Read and interpret tables • Two-way tables • Timetables |



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| Summer Textbook C | Unit 12 (12 lessons) | Geometry- properties of shapes: <ul style="list-style-type: none">• Understand and use degrees• Measure acute angles• Measure angles up to 180°• Draw lines and angles accurately• Calculate angles around a point• Calculate angles on a straight line• Lengths and angles in shapes• Regular and irregular polygons• Parallel lines• Perpendicular lines• Investigate lines• 3D shapes |
| | Unit 13 (6 lessons) | Geometry- position and direction: <ul style="list-style-type: none">• Read and plot coordinates• Problem solving with coordinates• Translate shapes• Translate points• Lines of symmetry• Reflection in horizontal and vertical lines |
| | Unit 14 (16 lessons) | Decimals: <ul style="list-style-type: none">• Add and subtract decimals within 1 (1)• Add and subtract decimals within 1 (2)• Complements to 1• Add and subtract decimals (bridging)• Add decimals- same number of decimal places• Subtract decimals with the same number of decimal places• Add decimals with different numbers of decimal places• Subtract decimals with different numbers of decimal places• Problem solving with decimals (1)• Problem solving with decimals (2)• Decimal sequences• Multiply by 10• Multiply by 10, 100 and 1000• Divide by 10• Divide by 10, 100 and 1000 |
| | Unit 15 (4 lessons) | Negative numbers: <ul style="list-style-type: none">• Understand negative numbers• Count through zero• Compare and order negative numbers• Find the difference |



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| | Unit 16 (10 lessons) | Measure- converting units: <ul style="list-style-type: none">• Kilograms and kilometres• Millimetres and millilitres• Convert units of length• Imperial units of length• Imperial units of mass• Imperial units of capacity• Convert units of time• Timetables- calculating• Problem solving- units of measure (1)• Problem solving- units of measure (2) |
| | Unit 17 (3 lessons) | Measure- volume and capacity: <ul style="list-style-type: none">• Cubic centimetres• Compare volume• Estimate volume |