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| **Place Value, Addition and Subtraction** | **Decimals and Fractions (A)** |
| Unit 1 | Unit 2 | Unit 3 | Unit 4 | Unit 5 | Unit 1 | Unit 2 | Unit 3 | Unit 4 |
| Day 1 | Day 2 | Day 1 | Day 2 | Day 3 | Day 1 | Day 2 | Day 1 | Day 2 | Day 1 | Day 2 | Day 3 | Day 4 | Day 1 | Day 2 | Day 3 | Day 1 | Day 2 | Day 1 | Day 2 | Day 3 | Day 1 | Day 2 |
| Place value in 6-digit numbers | Place 6-digit numbers on lines and round | Column addition and estimation | Column subtraction and estimation | Mental and written calculation strategies | Add or subtract decimals | Subtract 1- and 2-place decimals | Understand decimals with three places | Add/subtract multiples of 0.1, 0.01, 0.001 |
| **MNU 2-02a** *Extend the range of whole numbers worked with and explain the link between a digit, its place and its value* | **MNU 2-03a** *Solve problems involving whole numbers using a range of methods, sharing approaches and solutions* **MNU 2-01a** *Use knowledge of rounding to routinely estimate the answer to a problem***MTH 2-15a** *Apply knowledge of number facts to solve problems* | **MNU 2-07a** *Investigate contexts in which decimal fractions are used and carry out the necessary calculations to solve related problems* |
| **MNU 2-03a** *Solve whole- number problems*  | **MNU 2-01a** *Use knowledge of rounding* | **MNU 2-01a** *Use knowledge of rounding to routinely estimate the answer to a problem* | **MTH 2-15a** *Apply number facts to solve problems* | **MNU 2-02a** *Explore how decimal fractions are constructed; explain the link between a digit, its place and its value.* |
| Outcomes:4 | Outcomes: 1, 2 | Outcomes: 6 | Outcomes: 7 | Outcomes: 5, 8 | Outcomes: 30 | Outcomes: 29, 31 | Outcomes: 28 |



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| **Algebra**  | **Multiplication and Division** |
| Unit 1 | Unit 2 | Unit 3 | Unit 1 | Unit 2 | Unit 3 | Unit 4 | Unit 5 |
| Day 1 | Day 2 | Day 1 | Day 2 | Day 3 | Day 1 | Day 2 | Day 3 | Day 1 | 2 | Day 1 | 2 | 3 | Day 1 | 2 | 3 | 4 | Day 1 | 2 | 3 | 4 | Day 1 | 2 |
| Generate and use simple formulae | Solve equations with two unknowns | Generate and continue linear sequences | Multiples, factors and prime numbers | Solve short multiplication problems | Use short division to solve problems | Long multiplication problems | Formal / informal strategies |
| **MTH 2-15a** *Apply knowledge of number facts to solve problems where an unknown value is represented by a symbol or letter* | **MTH 2-15a** *Apply knowledge of number facts to solve problems* |
| **MTH 2-13a** *Explain the rule used to generate the sequence, and apply it to extend the pattern* |  | **MTH 2-13a** *Explain the rule used to generate the sequence, and apply it to extend the pattern* | **MNU 2-05a** *Investigate and identify multiples and factors*  | **MNU 2-03a** *Determine which calculations are needed; Solve problems involving whole numbers using a range of methods, sharing approaches and solutions* **MNU 2-01a** *Use knowledge of rounding to routinely estimate the answer to a problem* |
| Outcomes: 36  | Outcomes: 37, 38 | Outcomes: 39 | Outcomes: 9, 10, 14, 18 | Outcomes: 9, 11 | Outcomes: 9, 15, 16 | Outcomes: 9, 12 | Outcomes: 18, 19, 20 |

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| **Decimals and Fractions (B)** | **Shape** |
| Unit 1 | Unit 2 | Unit 1 | Unit 2 | Unit 3 | Unit 4 |
| Day 1 | Day 2 | Day 3 | Day 4 | Day 1 | Day 2 | Day 3 | Day 1 | Day 2 | Day 1 | Day 2 | Day 3 | Day 1 | Day 2 | Day 3 | Day 1 | Day 2 |
| Decimals, fractions: compare, order | Equivalent fractions: add and subtract | 2-D shapes (circles and quadrilaterals) | Draw, translate, reflect polygons | Draw 2-D shapes; find missing angles | Construct 3-D shapes using nets |
| **MNU 2-07a** *Investigate contexts in which fractions are used and carry out the necessary calculations to solve related problems***MNU 2-07c** *Investigate how a set of equivalent fractions can be created; understand the meaning of simplest form* | **MTH 2-16a** *Explore a range of 3-D objects and 2-D shapes; use mathematical language to describe their properties* |
| **MNU 2-07b** *Show the equivalent forms of simple fractions and decimal fractions* |  | **MTH 2-16c** *Draw 2-D shapes* | **MTH 2-16b** *Show understanding of the relationship between 3-D objects and their nets* |
|  | **MTH 2-18a** *Use knowledge of the coordinate system to plot and describe the location of a point on a grid* | **MTH 2-17a** *Discuss, describe and classify angles* **MTH 2-17b** *Accurately measure and draw angles* |
| Outcomes: 21, 22, 23, 24 | Outcomes: 21, 22 | Outs: 51, 53 | Outcomes: 54, 55 | Outcomes: 49, 52 | Outcomes: 50 |

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| **More Place Value, Addition and Subtraction** |
| Unit 1 | Unit 2 | Unit 3 | Unit 4 |
| Day 1 | Day 2 | Day 3 | Day 1 | Day 2 | Day 1 | Day 2 | Day 3 | Day 1 | Day 2 |
| Add, subtract & round 6-/7-digit numbers | Understand /calculate negative numbers | Strategies in mental & written calculation | Use brackets and order of operations |
| **MNU 2-02a** *Extend the range of whole numbers worked with and explain the link between a digit, its place and its value***MNU 2-03a** *Solve problems involving whole numbers***MNU 2-01a** *Use knowledge of rounding numbers* | **MNU 2-04a** *Extend the number line to include numbers less than zero and how these are used* | **MNU 2-03a** *Solve problems involving whole numbers using a range of methods, sharing approaches and solutions*  | **MNU 2-03c** *Explore the need for rules for the order of operations in number calculations, apply correctly when solving simple problems* |
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| Outcomes: 1, 2, 4 | Outcomes: 3, 4 | Outcomes: 4, 5 | Outcomes: 8, 18 |



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| **Decimals and Fractions (A)** | **Data** |
| Unit 1 | Unit 2 | Unit 3 | Unit 1 | Unit 2 | Unit 3 |
| Day 1 | Day 2 | Day 3 | Day 1 | Day 2 | Day 1 | Day 2 | Day 1 | Day 2 | Day 3 | Day 4 | Day 1 | Day 2 | Day 1 | Day 2 | Day 3 | Day 4 |
| Place value in 3-place decimals | Add numbers with up to 3 decimal places | Multiply/divide 2-place decimal numbers | Conversion: metric/imperial units; line graphs | Time intervals, timetables, 24-hour clock | Pie-charts; find the mean of a data set |
| **MNU 2-07a** *Investigate contexts in which decimal fractions are used and carry out the necessary calculations to solve related problems***MTH 2-15a** *Apply knowledge of number facts to solve problems***MNU 2-02a** *Explore how decimal fractions are constructed; explain the link between a digit, its place and its value.* | **MNU 2-11b** *Use the common units of measure, convert between related units of the metric system* **MNU 2-21a** *Display data in a clear way* | **MNU 2-10a** *Use and interpret timetables and schedules; make time calculations***MNU 2-10b** *Carry out practical tasks involving timed events* | **MNU 2-20a** *Interpret and draw conclusions from the information displayed***MNU 2-20b** *Gather information and collate, organise and communicate results***MNU 2-21a** *Display data in a clear way* |
| Outcomes: 28 | Outcomes: 30 | Outcomes: 32 | Outcomes: 40, 41, 47 | Outcomes: 45 | Outcomes: 47, 48 |

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| **Multiplication and Division (A)** | **Decimals and Fractions (B)** |
| Unit 1 | Unit 2 | Unit 1 | Unit 2 | Unit 3 |
| Day 1 | Day 2 | Day 1 | Day 2 | Day 3 | Day 1 | Day 2 | Day 3 | Day 4 | Day 1 | Day 2 | Day 3 | Day 1 | Day 2 | Day 3 |
| Scale factor problems concerning area | Solve rate and scaling problems | Percentages and fractions of amounts | Multiply and divide fractions | Ratios, proportion and percentages |
| **MTH 2-17d** *Investigated where, why and how scale is used and expressed; apply my understanding to interpret simple models, maps and plans***MNU 2-03a** *Determine which calculations are needed; Solve problems involving whole numbers using a range of methods, sharing approaches and solutions* **MTH 2-15a** *Apply knowledge of number facts to solve problems* | **MNU 2-07a** *Investigate contexts in which fractions and percentages are used and carry out the necessary calculations to solve related problems* |
| **MNU 2-07b** *Show the equivalent forms of simple fractions and percentages* |  | **MNU 2-07b** *Show the equivalent forms of simple fractions and percentages* |
| Outcome: 13, 34, 35 | Outcomes: 9, 10, 13, 14 | Outcomes: 21, 22, 24, 33 | Outcomes: 25, 26, 27 | Outcomes: 23, 33, 35 |

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| **Measures**  | **Multiplication and Division (B)** |
| Unit 1 | Unit 2 | Unit 1 | Unit 2 | Unit 3 |
| Day 1 | Day 2 | Day 3 | Day 1 | Day 2 | Day 1 | Day 2 | Day 3 | Day 1 | Day 2 | Day 3 | Day 1 | Day 2 | Day 3 |
| Calculate areas of different shapes | Calculate volumes of cubes/cuboids | Long division; different remainder forms | Use short/long multiplication in problems | Use short/long division in problems |
| **MNU 2-11c** *Explain how different methods can be used to find the perimeter and area of a simple 2-D shapes or volume of a simple 3-D object* | **MNU 2-03a** *Determine which calculations are needed; Solve problems involving whole numbers using a range of methods, sharing approaches and solutions* **MNU 2-01a** *Use knowledge of rounding to routinely estimate the answer to a problem***MTH 2-15a** *Apply knowledge of number facts to solve problems* |
| Outcomes: 42, 43 | Outcomes: 44 | Outcomes: 15, 17 | Outcomes: 11, 12, 19 | Outcomes: 15, 16, 17, 19 |

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| **Spr/Sum Revision Menu A** |
| Unit 1 | Unit 2 | Unit 3 | Unit 4 | Unit 5 | Unit 6 |
| Day 1 | Day 2 | Day 3 | Day 1 | Day 2 | Day 1 | Day 2 | Day 3 | Day 4 | Day 1 | Day 2 | Day 1 | Day 2 | Day 1 | Day 2 |
| Understand decimals, including negatives | Add/subtract whole numbers; solve problems | Mental and written multiplication/division | Mental multiplication & division; ratio | Fractions, decimals and percentages | Understanding and calculating fractions |
| **MNU 2-02a** *Extend the range of whole numbers;* *Explore how decimal fractions are constructed; explain the link between a digit, its place and its value.***MNU 2-04a** *Extend the number line to include numbers less than zero and how these are used* | **MNU 2-03a** *Determine which calculations are needed; Solve problems involving whole numbers using a range of methods, sharing approaches and solutions* **MNU 2-01a** *Use knowledge of rounding to routinely estimate the answer to a problem then, after calculating, decide if answer is reasonable***MTH 2-15a** *Apply knowledge of number facts to solve problems* | **MTH 2-15a** *Apply knowledge of number facts to solve problems***MNU 2-05a** *Investigate and identify multiples and factors***MTH 2-17d** *Investigated where, why and how scale is used and expressed* | **MNU 2-07a** *Investigate contexts in which fractions, decimals and percentages are used and carry out the necessary calculations to solve related problems***MNU 2-07b** *Show the equivalent forms of simple fractions, decimals and percentages; choose preferred form when solving a problem, explaining choice of method* |
| Outcomes: 1, 2, 3, 4, 28 | Outcomes:4, 5, 6, 7, 19 | Outcomes: 9, 10, 11, 12, 14, 15, 16, 17 | Outcomes: 32, 35 | Outcomes: 23, 33 | Outs: 22, 25, 26, 27 |



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| **Spr/Sum Revision Menu B** |
| Unit 1 | Unit 2 | Unit 3 | Unit 4 | Unit 5 |
| Day 1 | Day 2 | Day 1 | Day 2 | Day 3 | Day 1 | Day 2 | Day 3 | Day 1 | Day 2 | Day 1 | Day 2 |
| Areas, perimeters and volume | Shapes, angles, reflections, translations | Bar charts, pie charts, line graphs, means | Algebra: unknowns and linear sequences | Problem solving |
| **MNU 2-11c** *Explain how different methods can be used to find the perimeter and area of a simple 2-D shapes or volume of a simple 3-D object.* | **MTH 2-16a** *Explore a range of 3-D objects and 2-D shapes; use mathematical language to describe their properties***MTH 2-17a** *Discuss, describe and classify angles***MTH 2-18a** *Use knowledge of the coordinate system to plot and describe the location of a point on a grid* | **MNU 2-20a** *Interpret and draw conclusions from the information displayed***MNU 2-20b** *Gather information and collate, organise and communicate results***MNU 2-21a** *Display data in a clear way* | **MTH 2-13a** *Explain the rule used to generate the sequence, and apply it to extend the pattern***MTH 2-15a** *Apply knowledge of number facts to solve problems where an unknown value is represented by a symbol or letter* | **MNU 2-03a** *Determine which calculations are needed* **MNU 2-01a** *Use knowledge of rounding to routinely estimate the answer to a problem then, after calculating, decide if answer is reasonable***MTH 2-15a** *Apply knowledge of number facts to solve problems* |
| Outcomes: 36, 42, 44 | Outcomes: 49, 50, 52, 54 | Outcomes: 47, 48 | Outcomes: 37, 38 | Outcomes: 8, 20 |

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| **Exploration in Maths** | **Maths Around Us** |
| Unit 1 | Unit 2 | Unit 3 | Unit 1 | Unit 2 | Unit 3 |
| Day 1 | Day 2 | Day 1 | Day 2 | Day 3 | Day 1 | Day 2 | Day 3 | Day 4 | Day 5 | Day 1 | Day 2 | Day 3 | Day 4 | Day 5 | Day 1 | Day 2 | Day 3 | Day 1 | Day 2 |
| Explore a million | Number games and puzzles | History of maths | Measuring ourselves and around us | Tessellation & other shape patterns | Ratios in nature and art |
| **MNU 2-03a** *Solve problems involving whole numbers using a range of methods, sharing approaches and solutions*  | **MNU 2-01a** *Use knowledge of rounding to routinely estimate the answer to a problem then, after calculating, decide if answer is reasonable***MNU 2-03a** *Solve problems involving whole numbers using a range of methods, sharing approaches and solutions***MNU 2-11b** *Use the common units of measure, convert between related units of the metric system* **MNU 2-21a** *Display data in a clear way* | **MTH 2-16a** *Explore a range of 2-D shapes; use mathematical language to describe their properties* | **MTH 2-15a** *Apply knowledge of number facts to solve problems***MNU 2-11b** *Use the common units of measure* |
| **MNU 2-02a** *Extend the range of whole numbers* | **MTH 2-15a** *Apply knowledge of number facts to solve problems***MTH 2-16a** *Explore a range and 2-D shapes; use mathematical language to describe their properties* | **MTH 2-13a** *Explain the rule used to generate a sequence, and apply it to extend the pattern***MTH 2-15a** *Apply knowledge of number facts to solve problems where an unknown value is represented by a symbol or letter* |
| Outcomes: 4, 19, 40, 41 | Outcomes: 5, 18, 55 | Outcomes: 4, 9, 19, 36, 55 | Outcomes: 4, 19, 20, 34, 40, 41, 47, 48, 55 | Outcomes: 49 | Outcomes: 19, 35, 39, 40, 48 |

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| **Puzzles and Patterns** |
| Unit 1 | Unit 2 | Unit 3 |
| Day 1 | Day 2 | Day 3 | Day 4 | Day 5 | Day 1 | Day 2 | Day 3 | Day 1 | Day 2 |
| Calculator patterns | Number puzzles | Number patterns |
| **MTH 2-13a** *Explain the rule used to generate a sequence; apply it to extend the pattern***MTH 2-15a** *Apply knowledge of number facts to solve problems* **MNU 2-03a** *Solve problems involving whole numbers using a range of methods* |
| **MNU 2-03b** *Explore the contexts in which problems involving decimal fractions occur* |  |
| Outcomes: 18, 19, 20, 24, 55 | Outcomes: 37, 38, 55 | Outcomes: 11, 16, 17, 53, 55 |