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| **Place Value** | | | | | | | | | | | **Decimals and Fractions (A)** | | | | | | | | |
| Unit 1 | | | | Unit 2 | | Unit 3 | | | Unit 4 | | 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 | Day 1 | Day 2 | Day 1 | Day 2 | Day 1 | Day 2 | Day 1 | Day 2 | Day 3 |
| Place value in 5-digit numbers | | | | Place 5-digit numbers on a line; round | | Place 6-digit numbers on a line; round | | | Deepen understanding of 6-digit numbers | | Divide by 10/100; 2-place decimals | | 1- & 2-place decimals on a line; compare | | Add/subtract multiples of 0.1/0.01 | | Subtract decimals with 1 or 2 places | | |
| **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 my approaches and solutions with others* | | | | | | | | | | | **MNU 2-03b** *Explore the contexts in which problems involving decimal fractions occur and solve related problems using a variety of methods* | | | | | | | | |
| **MNU 2-02a** *Explain the link between a digit, its place and its value* | | | |  | | | | |
|  | | | | **MNU 2-01a** *Use knowledge of rounding to estimate answers* | | | | | | |
| Outcomes: 1, 3, 5 | | | | Outcomes: 1,2 | | Outcomes: 1, 2, 3 | | | Outcomes: 3, 5 | | Outcomes: 19, 29 | | Outcomes: 19, 29, 30 | | Outcomes: 29, 31 | | Outcomes: 32 | | |



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| **Addition and Subtraction** | | | | | | | | | | | | | **Decimals and Fractions (B)** | | | | | | | |
| Unit 1 | | Unit 2 | | | | Unit 3 | | | | Unit 4 | | | Unit 1 | | | Unit 2 | | | | |
| Day 1 | Day 2 | Day 1 | Day 2 | Day 3 | Day 4 | Day 1 | Day 2 | Day 3 | | Day 1 | Day 2 | Day 3 | Day 1 | Day 2 | Day 3 | Day 1 | Day 2 | Day 3 | Day 4 | Day 5 |
| Column addition | | Decimal and money calculation | | | | Column subtraction; choose a strategy | | | | Revise addition and subtraction | | | Mixed numbers and fractions of amounts | | | Fractions: equivalents, simplify, add, subtract | | | | |
| **MNU 2-01a** *Use my 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 fractions are used and carry out the necessary calculations to solve related problems* | | | | | | | |
| **MNU 2-03a** *Solve problems involving whole numbers* | | **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 problems involving whole numbers using a range of methods, sharing my approaches and solutions with others* | | | | | | |  | | | **MNU 2-07c** *Investigate how a set of equivalent fractions can be created; understand the meaning of simplest form* | | | | |
| Outcomes: 8, 10 | | Outcomes: 7, 10, 31, 32 | | | | Outcomes: 9, 10 | | | Outcomes: 5, 7, 8, 9 | | | | Outcomes: 25, 33 | | | Outcomes: 23, 24, 26 | | | | |

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| **Multiplication and Division** | | | | | | | | | | | | | **Measures and Data** | | | | | | | | | | | |
| Unit 1 | | | Unit 2 | | | Unit 3 | | | | Unit 4 | | | Unit 1 | | | Unit 2 | | Unit 3 | | Unit 4 | | | Unit 5 | |
| Day 1 | Day 2 | Day 3 | Day 1 | Day 2 | Day 3 | Day 1 | Day 2 | Day 1 | Day 2 | Day 1 | Day 2 | Day 3 | Day 1 | Day 2 | Day 3 | Day 1 | Day 2 | Day 1 | Day 2 | Day 1 | Day 2 | Day 3 | Day 1 | Day 2 |
| Multiples, factors and word problems | | | Primes, divisibility, mental strategies | | | Grid method and short multiplication | | | | Division of big numbers: vertical layout | | | Understand metric and imperial units | | | Timetables and intervals: 24 hour clock | | Perimeters: composite and rectilinear | | Regular and irregular areas; volumes | | | Temperature and negative numbers | |
| **MNU 2-03a** *Solve problems involving whole numbers using a range of methods, sharing my approaches and solutions with others* | | | | | | | | | | | | | **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 2-11c** *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 2-04a** *Extend the number line to include numbers less than zero and how these are used* | |
| **MNU 2-05a** *Investigate and identify multiples and factors*  **MTH 2-13a** *Explore number sequences, including well-known named number patterns* | | | | | | **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: 12, 15, 21 | | | Outcomes: 12,13,15,21 | | | Outcomes: 12, 16, 21 | | | | Outcomes: 12, 18 | | | Outcomes: 35, 36, 44 | | | Outcomes: 40, 43 | | Outcomes: 37 | | Outcomes: 38, 39 | | | Outcomes: 4, 41 | |



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| **Decimals and Fractions (A)** | | | | | | | | | | | **Addition and Subtraction** | | | | | | | | | |
| Unit 1 | | | | Unit 2 | | Unit 3 | | | Unit 4 | | 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 1 | Day 2 | Day 3 | Day 1 | Day 2 | Day 3 | Day 4 | Day 1 | Day 2 | Day 3 |
| Place value in decimals; rounding | | | | Column addition; 2-place decimals | | Subtract decimal numbers, e.g. money | | | x/÷ by 10, 100, 1000; rounding decimals | | Mental and written addition/subtraction | | | Column subtraction and word problems | | | | Mental addition & subtraction strategies | | |
| **MNU 2-03b** *Explore the contexts in which problems involving decimal fractions occur*  **MNU 2-01a** *Use my knowledge of rounding to routinely estimate the answer to a problem*  **MTH 2-15a** *Apply knowledge of number facts to solve problems* | | | | | | | | | | | **MNU 2-03a** *Solve problems involving whole numbers using a range of methods, sharing my approaches and solutions with others*  **MNU 2-01a** *Use my knowledge of rounding to routinely estimate the answer to a problem*  **MTH 2-15a** *Apply knowledge of number facts to solve problems* | | | | | | | | | |
| **MNU 2-02a** *Explain the link between a digit, its place and its value* | | | | **MNU 2-07a** *Investigate contexts in which decimal fractions are used and carry out the necessary calculations to solve related problems* | | | | | **MNU 2-02a** *Explain the link between a digit, its place and its value* | |
| Outcomes: 19, 29, 30 | | | | Outcomes: 29, 31 | | Outcomes: 32 | | | Outcomes: 19, 29, 30 | | Outcomes: 5, 7, 8 | | | Outcomes: 9, 10 | | | | Outcomes: 5, 7, 8 | | |

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| **Shape (A)** | | | | | | | | **Decimals and Fractions (B)** | | | | | | | | | |
| 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 1 | Day 2 | Day 3 | Day 1 | Day 2 | Day 3 | Day 4 | Day 1 | Day 2 | Day 3 |
| Deepen understanding of  3-D shapes | | Properties of polygons; quadrilaterals | | | Draw/reflect shapes on co-ordinate grids | | | Subtraction with decimals, e.g. money | | | Unit and non-unit fraction problems | | | | Multiply fractions; decimal equivalences | | |
| **MTH 2-16a** *Explore a range of 3-D objects and 2-D shapes; use mathematical language to describe their properties* | | | | | | | | **MNU 2-07a** *Investigate contexts in which decimal fractions are used and carry out the necessary calculations to solve related problems* | | | **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* | | | | **MNU 2-07b** *Show the equivalent forms of simple fractions and decimal fractions* | | |
| **MTH 2-16c** *Make representations of 3-D objects using an appropriate range of methods* | | **MTH 2-16c** *Draw 2-D shapes* | | | **MTH 2-18a** *Use knowledge of the coordinate system to plot and describe the location of a point on a grid* | | |
| Outcomes: 4, 5 | | Outcomes: 48 | | | Outcomes: 49 | | | Outcomes: 32, 33 | | | Outcomes: 21, 23, 24, 33 | | | | Outcomes: 21, 27, 28, 33 | | |



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| **Multiplication and Division** | | | | | | | | | | **Shape (B)** | | | | |
| Unit 1 | | | Unit 2 | | | Unit 3 | | | | Unit 1 | | Unit 2 | | |
| Day 1 | Day 2 | Day 3 | Day 1 | Day 2 | Day 3 | Day 1 | Day 2 | Day 3 | Day 4 | Day 1 | Day 2 | Day 1 | Day 2 | Day 3 |
| Multiples & factors; mental x/÷ strategies | | | Short multiplication: 4-digit numbers & money | | | Short division with 3- & 4-digit numbers | | | | Recognise, measure and draw angles | | Angle theorems; draw angles in polygons | | |
| **MNU 2-03a** *Solve problems involving whole numbers using a range of methods, sharing my approaches and solutions with others* | | | | | | | | | | **MTH 2-17a** *Discuss, describe and classify angles using appropriate mathematical vocabulary.* | | | | |
| **MNU 2-05a** *Investigate and identify multiples and factors* | | | **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* | | | | | | | **MTH 2-17b** *Accurately measure and draw angles using appropriate equipment* | | **MTH 2-16c** *Draw 2-D shapes* | | |
| Outcomes: 12, 14, 15, 21 | | | Outcomes: 16, 21 | | | Outcomes: 18, 21 | | | | Outcomes: 47 | | Outcomes: 46, 47 | | |



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| **Place Value** | | | | | | | **Decimals and Fractions** | | | | | | | |
| 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 1 | Day 2 | Day 3 | Day 1 | Day 2 | Day 1 | Day 2 | Day 3 |
| Negative numbers; count through zero | | Place value in 6-digit numbers | | | Identify and write Roman numerals | | Place value in 3-place decimals | | | Compare and use 3-place decimals | | Subtract decimal numbers by counting up | | |
| **MNU 2-04a** *Extend the number line to include numbers less than zero and how these are used* | | **MNU 2-02a** *Extend the range of whole numbers worked with and explain the link between a digit, its place and its value*  **MNU 2-01a** *Use knowledge of rounding* | | | **MTH 2-13a** *Explore number sequences* | | **MNU 2-07a** *Investigate contexts in which decimal fractions are used and carry out the necessary calculations to solve related problems* | | | | | | | |
| **MNU 2-02a** *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 my approaches and solutions with others* | | |
| Outcomes: 4 | | Outcomes: 1, 2, 3 | | | Outcomes: 5, 6 | | Outcomes: 19, 29 | | | Outcomes: 29, 31 | | Outcomes: 29, 32 | | |

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| **Multiplication and Division (A)** | | | | | | | | | | | | **Addition and Subtraction** | | | | | | | | |
| Unit 1 | | | Unit 2 | | | | Unit 3 | | | | | Unit 1 | | | Unit 2 | | | Unit 3 | | |
| Day 1 | Day 2 | Day 3 | Day 1 | Day 2 | Day 3 | Day 1 | | Day 2 | Day 3 | Day 4 | Day 5 | Day 1 | Day 2 | Day 3 | Day 1 | Day 2 | Day 3 | Day 1 | Day 2 | Day 3 |
| Mental multiplication / division problems | | | Problems with multiples, factors, scaling | | | | Grid, short and long multiplications | | | | | Mental add/subtraction strategies revision | | | Column add, whole/decimal numbers & money | | | Choose subtraction method: column/counting up | | |
| **MNU 2-03a** *Solve problems involving whole numbers using a range of methods, sharing my approaches and solutions with others* | | | | | | | | | | | | **MNU 2-03a** *Solve problems involving whole numbers using a range of methods, sharing my approaches and solutions with others*  **MNU 2-01a** *Use my knowledge of rounding to routinely estimate the answer to a problem*  **MTH 2-15a** *Apply knowledge of number facts to solve problems* | | | | | | | | |
| **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 2-05a** *Investigate and identify multiples and factors* | | | | **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* | | |  | | |
| Outcomes: 12, 14, 15, 21 | | | Outcomes: 14, 17, 20, 21 | | | | Outcomes: 12, 16, 21 | | | | | Outcomes: 5, 7 | | | Outcomes: 8, 10, 35 | | | Outcomes: 9, 10 | | |



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| **Measures and Data** | | | | | | | | | | **Fractions and Percentages** | | | | | | | |
| Unit 1 | | | | Unit 2 | | Unit 3 | | | | Unit 1 | | | Unit 2 | | | Unit 3 | |
| Day 1 | Day 2 | Day 3 | Day 4 | Day 1 | Day 2 | Day 1 | Day 2 | Day 3 | Day 4 | Day 1 | Day 2 | Day 3 | Day 1 | Day 2 | Day 3 | Day 1 | Day 2 |
| 24-hr timetables; calculate time intervals | | | | Draw line and conversion graphs | | Concept of rate; line graphs | | | | Begin to understand percentages | | | Add/subtract fractions with related denominators | | | Multiply fractions by whole numbers | |
| **MNU 2-10a** *Use and interpret timetables and schedules, plan events and activities, and make time calculations* | | | | **MNU 2-20a** *Discuss the variety of ways and range of media used to present data*  **MNU 2-20b** *Use a variety of methods to gather information*  **MNU 2-21a** *Display data in a clear way using a suitable scale, choosing from an extended range of tables, charts, diagrams and graphs* | | | | | | **MNU 2-07a** *Investigate contexts in which fractions are used and carry out the necessary calculations to solve related problems* | | | | | | | |
| **MNU 2-07b** *Show the equivalent forms of simple fractions, decimal fractions and percentages* | | | **MNU 2-07c** *Investigate how a set of equivalent fractions can be created; understand the meaning of simplest form* | | |  | |
| Outcomes: 40, 43 | | | | Outcomes: 44 | | | | | | Outcomes: 28, 33 | | | Outcomes: 23, 25, 26 | | | Outcomes: 21, 25, 33 | |

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| **Multiplication and Division (B)** | | | | | |
| Unit 1 | | | Unit 2 | | |
| Day 1 | Day 2 | Day 3 | Day 1 | Day 2 | Day 3 |
| Division problems with short division | | | Solve long multiplication problems | | |
| **MNU 2-03a** *Solve problems involving whole numbers using a range of methods, sharing my approaches and solutions with others*  **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: 12, 18 | | | Outcomes: 12, 16, 21 | | |