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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 |