|  |  |
| --- | --- |
| **Place Value (A)** | **Addition and Subtraction (A)Scotland, Flag, Country, United, Kingdom** |
| Unit 1 | Unit 2 | Unt 3 | Unit 4 | Unit 1 | Unit 2 |
| 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 | Day 4 | Day 5 | Day 6 | Day 1 | Day 2 | Day 3 |
| Place value in 4- and 5-digit numbers | Place numbers on a line | Place value addition; rounding | Place numbers on lines; decimals | Column addition; mental subtraction | More addition /subtraction; choose strategies |
| **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*Scotland, Flag, Country, United, KingdomScotland, Flag, Country, United, Kingdom | **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* Scotland, Flag, Country, United, Kingdom |
|  | **MNU 2-03b** *Explore the contexts in which problems involving decimal fractions occur*  |
| Hamilton OutcomesY4: 3 Y5: 1, 3, 5 | Outcomes:Y4: 1 Y5: 1, 2 | OutcomesY4: 3, 4, 6Y5: 1, 2, 3 | OutcomesY4: 1, 2 Y5 Outs: 19, 29, 30 | OutcomesY4: 9, 10, 11, 12, 16Y5: 8, 10 | OutcomesY4: 6, 10, 16Y5: 9, 10 |



|  |  |
| --- | --- |
| **Multiplication and Division (A)** | **Time** |
| Unit 1 | Unit 1 |
| Day 1 | Day 2 | Day 3 | Day 4 | Day 5 | Day 6 | Day 1 | Day 2 |
| Mental multiplication and division | Tell the time; timetables |
| **MNU 2-03a** *Solve problems involving whole numbers using a range of methods, sharing my approaches and solutions with others***MTH 2-15a** *Apply knowledge of number facts to solve problems* | **MNU 2-10b** *Carry out practical tasks and investigations involving timed events***MNU 2-10a** *Use and interpret timetables and schedules* |
| OutcomesY4: 17, 18, 21Y5: 12, 13, 15, 21 | OutcomesY4: 37 Y5: 40, 43 |

|  |  |
| --- | --- |
| **Fractions** | **Place Value (B)** |
| Unit 1 | Unit 2 | Unit 1 | Unit 2 |
| Day 1 | Day 2 | Day 3 | Day 1 | Day 2 | Day 3 | Day 4 | Day 1 | Day 2 | Day 1 | Day 2 |
| Fractions of amounts | Equivalent fractions; add/subtract fractions | Deepen understanding of place value | Add/ subtract powers of 10 |
| **MNU 2-07a** *Investigate contexts in which fractions are used and carry out the necessary calculations to solve related problems* | **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 2-07c** *Investigate how a set of equivalent fractions can be created; understand the meaning of simplest form* |
| OutcomesY4: 24 Y5: 25, 33 | OutcomesY4: 23, 25Y5: 23, 24, 26 | OutcomesY4: 3, 6 Y5: 3, 5 | OutcomesY4: 3, 6 Y5: 29, 31 |

|  |  |
| --- | --- |
| **Addition and Subtraction (B)** | **Multiplication and Division (B)** |
| Unit 1 | Unit 2 | Unit 3 | Unit 4 | Unit 1 | Unit 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 4 | Day 1 | Day 2 | Day 3 | Day 4 |
| Subtraction strategies | Add and subtract near multiples | Mental addition and subtraction | Consolidate written addition / subtraction strategies | Written methods – multiplication | Written methods - division |
| **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 2-03a** *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* |
|  | **MNU 2-02a** *Explain the link between a digit, its place and its value* |
| OutcomesY4: 12, 15Y5: 9, 32 | OutcomesY4: 6,9,10Y5: 5,7,8 | OutcomesY4: 16Y5: 7, 9 | OutcomesY4: 6, 14, 16Y5: 5, 7, 8, 9 | OutcomesY4: 17, 19Y5: 16, 21 | OutcomesY4: 17, 20, 21Y5: 18 |

|  |
| --- |
| **Shape** |
| Unit 1 | Unit 2 |
| Day 1 | Day 2 | Day 3 | Day 1 | Day 2 |
| Explore 2-D shape | Deepen understanding of 3-D shapes |
| **MTH 2-16a** *Explore a range of 3-D objects and 2-D shapes; use mathematical language to describe their properties***MTH 2-16c** *Draw 2-D shapes and make representations of 3-D objects* |
| **MTH 2-19a** *Illustrate the lines of symmetry for a range of 2-D shapes* | **MTH 2-16b** *Show understanding of the relationship between 3-D objects and their nets* |
| OutcomesY4: 39, 41Y5: 48 | OutcomesY4: 39 Y5: 45 |

|  |  |
| --- | --- |
| **Decimals, Multiplication and Division** | **Addition and Subtraction (A)** |
| Unit 1 | Unit 2 | Unit 3 | Unit 1 | Unit 2 |
| Day 1 | Day 2 | Day 3 | Day 1 | Day 2 | Day 1 | Day 2 | Day 3 | Day 4 | Day 5 | Day 1 | Day 2 | Day 1 | Day 2 |
| Decimal place value | x and ÷ by powers of 10 | Mental x and ÷, factors and multiples | Column addition | Count up to subtract |
| **MNU 2-02a** *Explain the link between a digit, its place and its value***MNU 2-03b** *Explore the contexts in which problems involving decimal fractions occur and solve related problems using a variety of methods* | **MNU 2-05a** *Investigate and identify the multiples and factors of numbers.* | **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 2-03a** *Solve problems involving whole numbers using a range of methods, sharing my approaches and solutions with others***MTH 2-15a** *Apply knowledge of number facts to solve problems* |
| OutcomesY4: 26, 29 Y5: 19, 29 | OutcomesY4: 26, 29 Y5:19, 29, 30 | OutcomesY4: 17, 18Y5: 12, 14, 15, 21 | OutcomesY4: 11, 32, 36Y5: 29, 31 | OutcomesY4: 12, 32, 36Y5: 32 |



|  |  |
| --- | --- |
| **Measures (A)** | **Exploring Decimals** |
| Unit 1 | Unit 1 | Unit 2 |
| Day 1 | Day 2 | Day 3 | Day 4 | Day 1 | Day 2 | Day 3 | Day 1 | Day 2 |
| Exploring 24-hour time | Round and subtract decimals | Fraction and decimal equivalence |
| **MNU 2-10b** *Carry out practical tasks and investigations involving timed events***MNU 2-10a** *Use and interpret timetables and schedules* | **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 2-07b** *Show the equivalent forms of simple fractions and decimal fractions*  |
| OutcomesY4: 33, 37 Y5: 40, 43 | OutcomesY4: 26, 28, 31, 32Y5: 19, 29, 30, 32 | OutcomesY4: 23, 28Y5: 27, 28, 33 |

|  |  |
| --- | --- |
| **Addition and Subtraction (B)** | **Multiplication and Division**  |
| Unit 1 | Unit 2 | Unit 1 | Unit 2 | Unit 3 |
| 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 |
| More column addition | Subtraction strategies | Multiplication strategies | Grid (Y4) and short (Y5) multiplication | Chunking (Y4) and short (Y5) division |
| **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 2-03a** *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* |
| OutcomesY4: 6, 11Y5: 5, 7, 8 | OutcomesY4: 12, 14, 15, 16Y5: 5, 7, 9, 10 | OutcomesY4: 17, 21 Y5: 12, 16 | OutcomesY4: 17,19Y5: 16,21 | OutcomesY4: 20, 21 Y5: 18, 21 |

|  |  |
| --- | --- |
| **Measures (B)** | **Shape** |
| Unit 1 | Unit 1 | Unit 2 |
| Day 1 | Day 2 | Day 3 | Day 4 | Day 5 | Day 1 | Day 2 | Day 3 | Day 1 | Day 2 | Day 3 | Day 4 | Day 5 |
| Perimeter, area and (Y5/P6) volume | Polygons and co-ordinates | Exploring angles |
| **MNU 2-11c** *Explain how different methods can be used to find the perimeter and area of a simple 2-D shape or volume of a simple 3-D object* | **MTH 2-16a** *Explore a range of 2-D shapes; use mathematical language to describe their properties* |
| **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 using appropriate mathematical vocabulary.***MTH 2-17b** *Accurately measure and draw angles using appropriate equipment* |
| OutcomesY4: 34, 35 Y5: 37, 38, 39 | OutcomesY4: 42, 43Y5: 49 | OutcomesY4: 39, 40, 41Y5: 46, 47 |

|  |  |
| --- | --- |
| **Number and Place Value**  | **Addition and Subtraction (A)** |
| Unit 1 | Unit 2 | Unit 3 | Unit 1 | Unit 2 | Unit 3 |
| Day 1 | Day 2 | Day 1 | Day 2 | Day 1 | Day 2 | Day 1 | Day 2 | Day 1 | Day 2 | Day 3 | Day 1 | Day 2 | Day 3 |
| Place value next steps: larger numbers | Count in steps; Roman numerals | Negative numbers; temperature | Column addition; money calculation | Subtraction strategies | More subtraction strategies |
| **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* | **MTH 2-13a** *Explore number sequences* | **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 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* |
| OutcomesY4: 1, 2 Y5: 1, 2, 3 | OutcomesY4: 4, 8 Y5: 5, 6 | OutcomesY4: 5 Y5: 4, 41 | OutcomesY4: 11,15,32,36 Y5: 5, 8, 29, 32 | OutcomesY4: 14, 15Y5: 32, 33 | OutcomesY4: 14, 15 Y5: 5, 7 |



|  |  |
| --- | --- |
| **Fractions** | **Multiplication and Division (A)** |
| Unit 1 | Unit 2 | Unit 3 | Unit 1 | Unit 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 |
| Fraction problems | Equivalent fractions; calculation | Count fractions steps; multiply fractions | Strategies for mental calculation | Scaling 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 2-03a** *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* |
|  | **MTH 2-17d** *Investigate where, why and how scale is used and expressed* |
| OutcomesY4: 23, 24, 28, 32Y5: 21, 23, 24, 33 | OutcomesY4: 23, 25Y5: 23, 25, 26 | OutcomesY4: 23 Y5: 21, 25, 33 | OutcomesY4: 17, 18Y5: 12, 14, 15, 21 | OutcomesY4: 18, 21, 22Y5: 14, 17, 20, 21 |

|  |  |
| --- | --- |
| **Decimals and Fractions** | **Exploring Measures** |
| Unit 1 | Unit 2 | Unit 1 | Unit 2 |
| Day 1 | Day 2 | Day 1 | Day 2 | Day 3 | Day 1 | Day 2 | Day 1 | Day 2 | Day 3 |
| Decimal place value; multiply fractions | Equivalent fractions and decimals | Convert measures; count through zero | SI and imperial measures |
| **MNU 2-07b** *Extend the range of whole numbers and explore how decimal fractions are constructed; explain the link between a digit, its place and its value* **(P5)** | **MNU 2-07b** *Extend the range of whole numbers and explore how decimal fractions are constructed; explain the link between a digit, its place and its value***MNU 2-07b** *Show the equivalent forms of simple fractions and decimal fractions* | **MNU 2-11a** *Use knowledge of the sizes of familiar objects to assist when making an estimate of measure***MNU 2-11b** *Use the common units of measure, convert between related units of the metric system and carry out calculations when solving problems* **(P5)** | **MNU 2-11a** *Use knowledge of the sizes of familiar objects to assist when making an estimate of measure***MNU 2-11b** *Use the common units of measure, convert between related units of the metric system and carry out calculations when solving 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* **(P6)** |
| **MNU 2-04a** *Extend the number line to include numbers less than zero and how these are used* **(P6)** |
| OutcomesY4: 26, 27, 28, 29Y5: 21, 27, 28, 33 | OutcomesY4: 28, 31Y5: 19, 29 | OutcomesY4: 33, 36Y5: 4 | OutcomesY4: 33, 36, 38Y5: 35, 36, 44 |

|  |  |
| --- | --- |
| **Exploring Decimals** | **Addition & Subtraction (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 1 | Day 2 | Day 1 | Day 2 | Day 3 |
| Decimal place value | Hundredths and percentages | Choose calculation strategies | Consolidate column calculation | Problem solving |
| **MNU 2-07b** *Extend the range of whole numbers and 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 2-07a** *Investigate the everyday contexts in which simple fractions, percentages or decimal fractions are used and carry out the necessary calculations to solve related problems* **MNU 2-07b** *Show the equivalent forms of simple fractions, decimal fraction sand percentages* | **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* |
| OutcomesY4: 28, 30, 31Y5: 29, 31 | OutcomesY4: 26, 28, 31Y5: 28, 33 | OutcomesY4: 12, 13, 14Y5: 29, 32 | OutcomesY4: 11, 14, 15 Y5: 8, 10 | OutcomesY4: 11, 14, 15 Y5: 9, 10 |

|  |  |
| --- | --- |
| **Multiplication and Division (B)** | **Time and Data** |
| Unit 1 | Unit 2 | Unit 3 | Unit 1 | Unit 2 |
| Day 1 | Day 2 | Day 1 | Day 2 | Day 3 | Day 1 | Day 2 | Day 1 | Day 2 | Day 1 | Day 2 | Day 3 | Day4 |
| Division strategies | Multiplication strategies | Solve problems | Time, data recording & line graphs | Time, rate & line graphs |
| **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* | **MNU 2-10b** *Carry out practical tasks and investigations involving timed events***MNU 2-10a** *Use and interpret timetables and schedules***MNU 2-20b** *Devise and use methods to gather information***MNU 2-21a** *Display data in a clear way* |
| OutcomesY4: 17, 20 Y5: 12, 18 | OutcomesY4: 18, 19, 21Y5: 12, 16, 21 | OutcomesY4: 16, 18, 21 Y5: 16, 21 | OutcomesY4: 37, 38 Y5: 44 | OutcomesY4: 33, 38 Y5: 44 |