

|  |  |  |
| --- | --- | --- |
|  | **Place Value** | **Addition and Subtraction (A)** |
|  | 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 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 |
|  | Numbers on a line; compare and order | Place Value in 3-/4-digit numbers; amounts of money | +/- 1, 10, 100 and 1000, and multiples | Strategies for adding and subtracting | Number bonds to 100 | Subtract by counting up: frog |
| **First** | **MNU 1-02a** *Investigate how whole numbers are constructed; use knowledge to explain the link between a digit, its place and its value* | **MNU 1-03a** *Use appropriate mental/ written addition/ subtraction strategies to solve problems.***MTH 1-15b** *Find value of a missing number using knowledge of number facts; explain thinking* |
|  | **MNU 1-03a** *Use appropriate mental/ written addition/ subtraction strategies to solve problems.* |
| **MNU 1-09b** *Investigate different combinations of coins and notes* |  |
| **Second** | **MNU 2-02a** *Extend the range of whole numbers worked with and explain the link between a digit, its place and its value* | [**MTH 1-15b** *Find value of a missing number using knowledge of number facts; explain thinking*]**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* |
|  | Y3 Outcomes: 1, 2Y4 Outcomes: 1 | Y3 Outcomes: 2, 3, 5, 32Y4 Outcomes: 3, 9 | Y3 Outcomes: 3, 9Y4 Outcomes: 3, 6 | Y3 Outcomes: 4, 7, 14Y4 Outcomes: 10 | Y3 Outcomes: 7, 8, 32Y4 Outcomes: 10, 12 | Y3 Outcomes: 6, 10, 12Y4 Outcomes: 10, 12, 15 |

|  |  |  |
| --- | --- | --- |
|  | **Multiplication and Division (A)** | **Fractions** |
|  | Unit 1 | Unit 2 | 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 1 | Day 2 | Day 3 | Day 1 | Day 2 |
|  | Rehearsing and understanding times tables | Partitioning in multiplication and division | Doubling, halving and the concept of a half | Conceptualising fractions | Finding fractions of amounts |
| **First** | **MNU 1-03a** *Use appropriate mental/ written addition/ subtraction strategies to solve problems.***MTH 1-15a** *Compare, describe and show number relationships, using appropriate vocabulary and symbols* | ***MNU 1-03a*** *Use appropriate mental/ written addition/ subtraction strategies to solve problems.****MTH 1-15a*** *Compare, describe and show number relationships, using appropriate vocabulary* | **MNU 1-07a** *Show understanding of how a single item can be shared equally and the notation and vocabulary associated with fractions* |
| **MNU 1-07c** *Demonstrate understanding of simple fractions which are equivalent* | ***MNU 1-07b*** *Explore how groups of items can be shared equally and find a fraction of an amount*  |
| **Second** | **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 2-03a** *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 2-07a** *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* |  |
|  | Y3 Outcomes: 15, 16, 17Y4 Outcomes: 17 | Y3 Outcomes: 20Y4 Outcomes: 19 | Y3 Outcomes: 19, 20Y4 Outcomes: 17, 18 | Y3 Outcomes: 22, 27Y4 Outcomes: 23 | Y3 Outs: 22, 23, 27Y4 Outcomes: 24 |

|  |  |  |
| --- | --- | --- |
|  | **Multiplication and Division (B)** | **Addition and Subtraction (B)** |
|  | Unit 1 | Unit 1 | Unit 2 | Unit 3 |
|  | Day 1 | Day 2 | Day 3 | Day 4 | Day 1 | Day 2 | Day 3 | Day 4 | Day 1 | Day 2 | Day 3 | Day 1 | Day 2 | Day 3 | Day 4 |
|  | Strategies for division | +/- near-/multiples of 10, 100, 1000 | Partitioning and column addition | Formal addition and subtraction algorithms |
| **First** | **MNU 1-03a** *Use appropriate mental/ written addition/ subtraction strategies to solve problems.***MTH 1-15a** *Compare, describe and show number relationships, using appropriate vocabulary and symbols* | **MNU 1-03a** *Use appropriate mental/ written addition/ subtraction strategies to solve problems.***MNU 1-02a** *Use knowledge of link between a digit, its place and its value* |
| **Second** | **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 2-03a** *Solve problems involving whole numbers using a range of methods, sharing my approaches and solutions with others***MNU 2-02a** *Explain the link between a digit, its place and its value* |
| **MTH 2-15a** *Apply knowledge of number facts to solve problems* |  |
|  | Y3 Outcomes: 16, 17Y4 Outcomes: 20 | Y3 Outcomes: 5, 9Y4 Outcomes: 6, 9 | Y3 Outcomes: 8, 11Y4 Outcomes: 11 | Y3 Outcomes: 11, 12, 13Y4 Outcomes: 12, 14 |

|  |  |
| --- | --- |
|  | **Shape** |
|  | Unit 1 | Unit 2 | Unit 3 |
|  | Day 1 | Day 2 | Day 3 | Day 1 | Day 2 | Day 1 | Day 2 | Day 3 |
|  | Symmetry and 2-D shapes | Understanding 3-D shapes | Co-ordinates in the first quadrant |
| **First****Second** | ***MTH 1-16a*** *Explore 3-D objects and 2-D shapes and identify, name and describe their features using appropriate vocabulary* |
| ***MTH 1-19a*** *Create and recognise symmetrical pictures, patterns and shapes* |  | ***MTH 1-18a*** *Locate and describe position* |
| **Second** | **MTH 2-16a** *Explore a range of 3-D objects and 2-D shapes; use mathematical language to describe their properties* |
| **MTH 2-19a** *Illustrate the lines of symmetry for a range of 2-D shapes* | **MTH 2-16c** *Make representations of* *3-D objects* | **MTH 2-18a** *Use knowledge of the coordinate system to plot and describe the location of a point on a grid* |
|  | Y3 Outcomes: 37, 38Y4 Outcomes: 39, 41 | Y3 Outcomes: 37 Y4 Outcomes: 39 | Y3 Outcomes: 37Y4 Outcomes: 42, 43 |



|  |  |  |
| --- | --- | --- |
|  | **Place Value and Fractions** | **Addition and Subtraction (A)** |
|  | 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 3 | Day 4 | Day 1 | Day 2 | Day 3 | Day 4 | Day 1 | Day 2 |
|  | Negative numbers | Fractions | Equivalent fractions; +/– fractions | Mental addition and subtraction | 3-digit +/– 1-digit numbers |
| **First****Second** | **MNU 1-02a** *Investigate how whole numbers are constructed* | **MNU 1-07a** *Show understanding of how a single item can be shared equally and the notation and vocabulary associated with fractions* | **MNU 1-03a** *Use appropriate mental/ written addition/ subtraction strategies to solve problems.* |
| **MNU 1-07b** *Explore how groups of items can be shared equally and find a fraction of an amount*  | **MTH 1-15b** *Find value of a missing number using knowledge of number facts* | **MTH 1-15b** *Find value of a missing number using knowledge of number facts* | **MNU 1-02a** *Use knowledge of link between a digit, its place and its value* |
| **Second** | **MNU 2-04a** *Show understanding of how the number line extends to include numbers less than zero* | **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 using a range of methods, sharing my approaches and solutions with others* **MTH 2-15a** *Apply knowledge of number facts to solve problems* |
|  | **MNU 2-07c** *Investigate how a set of equivalent fractions can be created; understand the meaning of simplest form* |
|  | Y3 Outcomes: 5Y4 Outcomes: 5 | Y3 Outcomes: 23, 24Y4 Outcomes: 24 | Y3 Outcomes: 22, 26Y4 Outcomes: 23, 25 | Y3 Outcomes: 8, 10Y4 Outcomes: 10, 12, 32, 36 | Y3 Outcomes: 7, 8, 14Y4 Outcomes: 16 |

|  |  |  |
| --- | --- | --- |
|  | **Measures** | **Decimals and Money** |
|  | Unit 1 | Unit 2 | 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 |
|  | Length and data | Weight and data | x and ÷ with money and 1-place decimals | Decimals and money on a line |
| **First** | **MNU 1-11a** *Estimate how long or heavy an object is, using everyday things as a guide, then measure or weigh it using appropriate instruments and units***MNU 1-20a** *Explore a variety of ways in which data is presented***MNU 1-21a** *Display data simply, clearly and accurately* | **MNU 1-02a** *Explain the link between a digit, its place and its value* |
| **MNU 1-03a** *Use appropriate mental/ written addition/ subtraction strategies to solve problems.* |  |
| **Second** | **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 2-21a** *Display data in a clear way* | **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* |
|  | Y3 Outcomes: 28, 29, 30, 36Y4 Outcomes: 33, 36, 38 | Y3 Outcomes: 28, 36Y4 Outcomes: 33, 36, 38 | Y3 Outcomes: 18Y4 Outcomes: 26, 29 | Y3 Outcomes: 1, 6Y4 Outcomes: 26, 27 |

|  |  |  |
| --- | --- | --- |
|  | **Multiplication** | **Addition and Subtraction (B)** |
|  | Unit 1 | Unit 2 | Unit 1 | Unit 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 | Day 1 | Day 2 | Day 3 | Day 4 | Day 5 |
|  | Times tables and factors | Partitioning in multiplication | Column addition | Frog and decomposition |
| **First****Second** | **MNU 1-03a** *Use appropriate mental/ written addition/ subtraction strategies to solve problems.* | **MNU 1-03a** *Use appropriate mental/ written addition/ subtraction strategies to solve problems.* |
|  | **MNU 1-02a** *Use knowledge of link between a digit, its place and its value* | **MNU 1-02a** *Use knowledge of link between a digit, its place and its value* | **MTH 1-15b** *Find value of a missing number using knowledge of number facts* |
| **Second** | **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 2-02a** *Explain the link between a digit, its place and its value* |
| **MNU 2-05a** *Investigate and identify multiples and factors* | **MTH 2-15a** *Apply knowledge of number facts to solve problems* |
|  | Y3 Outcomes: 16, 17Y4 Outcomes: 17, 18 | Y3 Outcomes: 17, 18, 20Y4 Outcomes: 18, 19 | Y3 Outcomes: 11, 14, 32Y4 Outcomes: 11, 15, 32, 36 | Y3 Outcomes: 12, 13, 14Y4 Outcomes: 12, 14, 15 |

|  |  |  |
| --- | --- | --- |
|  | **Division** | **Time** |
|  | Unit 1 | Unit 1 | Unit 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 |
|  | Division | Telling the time | Time and data |
| **First** | **MNU 1-03a** *Use appropriate mental/ written addition/ subtraction strategies to solve problems.***MNU 1-07b** *Find a fraction of an amount***MTH 1-15b** *Find value of a missing number using knowledge of number facts* | **MNU 1-10a** *Tell the time using 12 hour clocks; explain how it impacts on daily routine and be organised and ready for events throughout the day* |
|  | **MNU 1-20a** *Explore a variety of ways in which data is presented***MNU 1-21a** *Display data simply, clearly and accurately* |
| **Second** | **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 2-10a** *Use and interpret timetables and schedules***MNU 2-10b** *Carry out practical tasks and investigations involving timed events* |
|  | **MNU 2-20b** *Devise and use methods to gather information***MNU 2-21a** *Display data in a clear way* |
|  | Y3 Outcomes: 17, 23Y4 Outcomes: 20, 24 | Y3 Outcomes: 33, 34, 35Y4 Outcomes: 37 | Y3 Outcomes: 33, 35, 36Y4 Outcomes: 37, 38 |



|  |  |  |
| --- | --- | --- |
|  | **Place Value** | **Addition and Subtraction (A)** |
|  | Unit 1 | Unit 2 | Unit 1 | Unit 2 |
|  | Day 1 | Day 2 | Day 1 | Day 2 | Day 3 | Day 1 | Day 2 | Day 3 | Day 4 | Day 5 | Day 1 | Day 2 |
|  | Number and Place Value | Sequences and Roman Numerals | Written algorithms | Finding a difference – whole numbers |
| **First** | **MNU 1-02a** *Investigate how whole numbers are constructed; use knowledge to explain the link between a digit, its place and its value* | **MTH 1-13b** *Recognise and continue simple number sequences and can explain the rule I have applied* | ***MNU 1-03a*** *Use appropriate mental/ written addition/ subtraction strategies to solve problems.* |
| ***MNU 1-01a*** *Develop ways of estimating the answer to a calculation or problem, calculate the actual answer, then check my solution by comparing it with the estimate* | **MTH 1-15b** *Find value of a missing number using knowledge of number facts* |
| **Second** | **MNU 2-02a** *Extend the range of whole numbers worked with and explain the link between a digit, its place and its value* | **MTH 2-13a** *Explore number sequences; use rule to generate and extend sequence* | **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* |
|  | Y3 Outcomes: 1, 3Y4 Outcomes: 1, 2 | Y3 Outcomes: 4, 5Y4 Outcomes: 4, 8 | Y3 Outcomes: 11Y4 Outcomes: 11, 14 | Y3 Outcomes: 10, 12Y4 Outcomes: 12, 14 |

|  |  |  |
| --- | --- | --- |
|  | **Multiplication and Division (A)** | **Decimals** |
|  | Unit 1 | Unit 2 | 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 5 | Day 1 | Day 2 | Day 3 | Day 4 |
|  | Times tables, factors and multiples | Division | Decimals and Money | Decimals and Measures |
| **First** | **MNU 1-03a** *Use appropriate mental/ written addition/ subtraction strategies to solve problems.***MTH 1-15a** *Compare, describe and show number relationships, using appropriate vocabulary and symbols***MTH 1-15b** *Find value of a missing number using knowledge of number facts* | **MNU 1-02a** *Investigate how whole numbers are constructed; use knowledge to explain the link between a digit, its place and its value* | ***MNU 1-11a*** *Estimate how long an object is, or what amount it holds, using everyday things as a guide, then measure or weigh it using appropriate instruments and units* |
| **Second** | **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 2-07a** *Investigate contexts in which decimal fractions are used and carry out the necessary calculations to solve related problems* |
| **MNU 2-05a** *Investigate and identify multiples and factors* | **MTH 2-15a** *Apply knowledge of number facts to solve problems* |
|  | Y3 Outcomes: 15, 16, 17Y4 Outcomes: 17, 18 | Y3 Outcomes: 15, 16Y4 Outcomes: 17, 20 | Y3 Outcomes: 5, 12, 32Y4 Outcomes: 26, 27, 29 | Y3 Outcomes: 28, 29Y4 Outcomes: 26, 30, 31 |

|  |  |  |
| --- | --- | --- |
|  | **Measures and Data** | **Shape** |
|  | 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 1 | Day 2 | Day 3 | Day 4 | Day 5 | Day 1 | Day 2 |
|  | Area and Perimeter | Time | Line Graphs and Bar Charts | Exploring shape properties | Co-ordinates and 3-D shapes |
| **First** | ***MTH 1-16a*** *Explore 2-D shapes and identify, name and describe their features using appropriate vocabulary* | **MNU 1-10a** *Tell the time using 12 hour clocks; explain how it impacts on daily routine and be organised and ready for events throughout the day***MNU 1-10c** *Develop a sense of how long tasks take* | **MNU 1-20a** *Explore a variety of ways in which data is presented***MNU 1-21a** *Display data simply, clearly and accurately* | **MTH 1-16a** *Explore 3-D objects and 2-D shapes and identify, name and describe their features using appropriate vocabulary.* |
| **MTH 1-19a** *Explore symmetry in the environment and create and recognise symmetrical pictures, patterns and shapes***MTH 1-18a** *Use signs, words and angles associated with direction and turning* | ***MTH 1-18a*** *Locate and describe position* |
| **Second** | **MNU 2-11c** *Explain how different methods can be used to find the perimeter and area of a simple 2-D shapes* | **MNU 2-10a** *Use and interpret timetables and schedules***MNU 2-10b** *Carry out practical tasks and investigations involving timed events* | **MNU 2-20a** *Interpret and draw conclusions from information displayed***MNU 2-21a** *Display data in a clear way* | **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 using appropriate mathematical vocabulary***MTH 2-19a** *Illustrate the lines of symmetry for a range of 2-D shapes; create and complete symmetrical pictures and patterns.* | **MTH 2-18a** *Use knowledge of the coordinate system to plot and describe the location of a point on a grid* |
|  | Y3 Outcomes: 30, 31Y4 Outcomes: 34, 35 | Y3 Outcomes: 33, 34, 35 Y4 Outcomes: 37 | Y3 Outcomes: 36 Y4 Outcomes: 38 | Y3 Outcomes: 38, 39Y4 Outcomes: 39, 40, 41 | Y3 Outcomes: 37Y4 Outcomes: 42, 43 |

|  |  |  |
| --- | --- | --- |
|  | **Addition and Subtraction (B)** | **Multiplication and Division (B)** |
|  | Unit 1 | Unit 2 | 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 1 | Day 2 | Day 3 |
|  | Money: finding change and differences | Written addition and subtraction | Partitioning to double, halve and multiply | Scaling problems and mental strategies |
| **First** | ***MNU 1-03a*** *Use appropriate mental/ written addition/ subtraction strategies to solve problems.* | **MNU 1-03a** *Use appropriate mental/ written addition/ subtraction strategies to solve problems.***MTH 1-15a** *Compare, describe and show number relationships, using appropriate vocabulary and symbols***MTH 1-15b** *Find value of missing number using knowledge of number facts* |
| **MNU 1-09a** *Pay for items and calculate change* | ***MNU 1-01a*** *Develop ways of estimating the answer to a calculation or problem* |
| **Second** | **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 2-03a** *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* |
|  | Y3 Outcomes: 12, 13, 14Y4 Outcomes: 12, 14, 15, 16 | Y3 Outcomes: 9, 11Y4 Outcomes: 14, 15, 16 | Y3 Outcomes: 19, 20Y4 Outcomes: 17, 19 | Y3 Outcomes: 17, 21Y4 Outcomes: 17, 22 |

|  |  |
| --- | --- |
|  | **Fractions** |
|  | Unit 1 |
|  | Day 1 | Day 2 | Day 3 | Day 4 | Day 5 |
|  | Fractions |
| **First** | **MNU 1-07a** *Show understanding of how a single item can be shared equally and the notation and vocabulary associated with fractions****MNU 1-07b*** *Explore how groups of items can be shared equally and find a fraction of an amount* **MNU 1-07c** *Demonstrate understanding of simple fractions which are equivalent* |
| **Second** | **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* |
|  | Y3 Outcomes: 22, 23, 24, 25, 26, 27Y4 Outcomes: 23, 24, 25, 28 |