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| **Place Value** | | | | | | | | | | | | **Addition and Subtraction (A)** | | | | | | | | | | | | | | |
| 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 4 | 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 | Day 3 | Day 4 | Day 5 |
| Count to 20 and estimate quantities | | | Partition teen nos; compare | | Count to 100 in 1s/10s; compare | | | | Say 1/10 more or less up to 100 | | | Adding by counting on | | | | | Partitioning to create number bonds | | | | | Subtraction: count back/take away | | | | |
| **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 addition and subtraction when solving problems, making best use of mental strategies* | | | | | | | | | | | | | | |
|  | | | | | **MTH 1-13b** *Through exploring number patterns, recognise and continue simple number sequences* | | | | | | | **MNU 1-02a**  *Use knowledge of a digit, its place and its value* | | | | | **MTH 1-15b** *Find value of missing numbers using knowledge of number facts; explain thinking* | | | | | | | | | |
| Outcomes: 5, 6 | | | | | Outcomes: 1, 3, 5 | | | | Outcomes: 1, 3, 4 | | | Outcomes: 10, 11 | | | | | Outcomes: 7, 8, 10, 12 | | | | Outcomes: 10, 11, 12 | | | | | |

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| **Shape and Data** | | | | | | | | | | **Money** | | | | | |
| Unit 1 | | Unit 2 | | | Unit 3 | | Unit 4 | | | Unit 1 | | | Unit 2 | | |
| 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 1 | Day 2 | Day 3 |
| Explore shapes and line symmetry | | Understand/identify  2-D shapes | | | Sort 2-D shapes according to properties | | Understand/identify 3-D shapes | | | Coins to 10p: identify & exchange | | | Make amount/find possibilities | | |
| **MTH 1-16a** *Explore 3-D objects and 2-D shapes and identify, name and describe their features using appropriate vocabulary.* | | | | | | | | | | **MNU 1-09a** *Use money to pay for items* | | | **MNU 1-09b** *Investigate different combinations of coins* | | |
| **MTH 1-19a** *Create and recognise symmetrical pictures, patterns and shapes* | |  | | | *MNU 1-20b Sort information in a logical, organised and imaginative way* | |  | | | **MNU 1-03a** *Use addition and subtraction when solving problems, making best use of mental strategies*  **MNU 1-20b** *Sort information in a logical, organised and imaginative way* | | | | | |
| Outcomes: 24 | | Outcomes: 24 | | | Outcomes: 23,24 | | Outcomes: 24 | | | Outcomes: 11, 22, 23 | | | | | |

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| **Addition and Subtraction (B)** | | | | | | | | | | **Time** | | | |
| Unit 1 | | | | Unit 2 | | | | Unit 3 | | 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 1 | Day 2 | Day 1 | Day 2 |
| Add by counting on (numbers to 20) | | | | Number bonds to 10 | | | | Say one more/one less up to 100 | | O'clock times and sequence events | | Days of the week, months of the year | |
| **MNU 1-03a** *Use addition and subtraction when solving problems, making best use of mental strategies* | | | | | | | | | | **MNU 1-10a** *Tell the time using 12 hour clocks*  **MNU 1-10c** *Develop a sense of how long tasks take* | | **MNU 1-10b** *Use a calendar to plan and be organised for key events* | |
| **MNU 1-02a**  *Use knowledge of a digit, its place and its value* | | | | **MTH 1-15b** *Find value of missing numbers using knowledge of number facts; explain thinking* | | | | **MNU 1-02a**  *Use knowledge of a digit, its place and its value* | |
| Outcomes: 10, 11, 12 | | | | Outcomes: 7, 10, 12 | | | | Outcomes: 9, 11 | | Outcomes 19, 20, 21 | | Outcomes 20, 21 | |



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| **Place Value (A)** | | | | | | | | **Money** | | | | |
| Unit 1 | | Unit 2 | | | | Unit 3 | | Unit 1 | | Unit 2 | | |
| Day 1 | Day 2 | Day 1 | Day 2 | Day 3 | Day 4 | Day 1 | Day 2 | Day 1 | Day 2 | Day 3 | Day 1 | Day 2 |
| 1 more and 1 less than 2-digit nos. | | Count in 10s; say numbers 10 more/less | | | | Place value in 2-digit numbers | | Use coins to pay amounts and find totals | | Find change; differences between amounts | | |
| **MNU 1-02a** *Investigate how whole numbers are constructed; use knowledge to explain the link between a digit, its place and its value* | | | | | | | | **MNU 1-09a** *Use money to pay for items and work out how much change to receive*  **MNU 1-09b** *Investigate how different combinations of coins can be used to pay for goods or be given in change* | | | | |
| **MNU 1-03a** *Use addition and subtraction when solving problems, making best use of mental strategies* | | | | | |  | |
| Outcomes: 1, 4 | | Outcomes: 3, 4 | | | | Outcomes: 4, 5, 6 | | Outcomes: 11, 12, 22 | | | | |

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| **Addition and Subtraction** | | | | | | | | | | | | | **Place Value (B)** | | | | | |
| Unit 1 | | | Unit 2 | | Unit 3 | | | Unit 4 | | | Unit 5 | | 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 1 | Day 2 | Day 1 | Day 2 | Day 3 | Day 1 | Day 2 | Day 3 |
| Number bonds to 8 and 9; doubles | | | Use facts and doubles to add 3 numbers | | Find 10 more/less than 2-digit  numbers | | | Relate adding/subtracting using facts | | | Add and subtract 10, 20, 30 | | Compare, order 2-digit numbers using place value | | | Place value to order 2-digit numbers; say 10 more/less | | |
| **MNU 1-03a** *Use addition and subtraction when solving problems, making best use of mental strategies*  **MTH 1-15a** *Compare, describe and show number relationships, using appropriate vocabulary and symbols*  **MTH 1-15b** *Find value of missing numbers using knowledge of number facts; explain thinking* | | | | | | | | | | | | | **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 addition and subtraction when solving problems, making best use of mental strategies* | | |
| Outcomes: 8, 10, 12 | | | Outcomes: 7, 8, 10 | | Outcomes  10, 11, 12 | | | Outcomes:  7, 8, 10 | | | Outcomes: 9, 10, 12 | | Outcomes 4, 5 | | | Outcomes 3, 4, 5 | | |

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| **Fractions** | | | | | **Measures** | | | | | | | | | | |
| Unit 1 | | | Unit 2 | | 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 3 | Day 1 | Day 2 | Day 3 | Day 1 | Day 2 |
| Understand halves and quarters | | | Find half and quarter of amounts | | Measure using a uniform unit | | | Compare and measure weights | | | Measure lengths in cubes | | | Find difference between lengths | |
| **MNU 1-07a** *Show understanding of the vocabulary associated with fractions and how a single item can be shared equally*  **MNU 1-07b** *Explore how groups of items can be shared equally and find a fraction of an amount* | | | | | **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* | | | | | | | | | | |
| Outcomes: 15, 16 | | | | | Outcomes 17, 18 | | | | | | | | | | |

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| **Multiplication** | | | | | | | |
| Unit 1 | | | Unit 2 | | | Unit 3 | |
| Day 1 | Day 2 | Day 3 | Day 1 | Day 2 | Day 3 | Day 1 | Day 2 |
| Even and odd numbers and doubles | | | Counting in 2s; even/odd numbers | | | Doubling and halving | |
| **MNU 1-03a** *Use multiplication or division when solving problems, making best use of mental strategies*  **MTH 1-13b** *Explore number patterns; recognise and continue simple number sequences* | | | | | | | |
| Outcomes: 13, 14 | | | Outcomes: 2, 14 | | | Outcomes: 13, 14 | |



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| **Addition and Subtraction (A)** | | | | | | **Measures and Shape** | | | | | | |
| 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 1 | Day 2 |
| Add 10s and near 10s to a 2-digit number | | Subtract 10s/near 10s from 2-digit numbers | | Add/subtract 10, 11, 12 | | Compare and measure capacities | | | Explore container capacity | | Recognise/describe  3-D shapes and turns | |
| **MNU 1-03a** *Use addition and subtraction when solving problems, making best use of mental strategies*  **MTH 1-15a** *Compare, describe and show number relationships, using appropriate vocabulary and symbols*  **MTH 1-15b** *Find value of missing numbers using knowledge of number facts; explain thinking* | | | | | | **MNU 1-11a** *Estimate what amount an object holds, using everyday things as a guide, then measure or weigh it using appropriate instruments and units* | | | | | **MTH 1-16a** *Explore 3-D objects and identify, name and describe their features using appropriate vocabulary* | |
|  | | | **MTH 1-20a** *Explore a variety of ways in which data is presented* | |
| Outcomes: 10, 11, 12 | | | | | | Outcomes 17, 18 | | | Outcomes 17, 18, 23 | | Outcomes 17, 18 | |

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| **Addition and Subtraction (B)** | | | | | | | | **Money** | | | | | | | |
| 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 1 | Day 2 | Day 3 |
| Number bonds to 10; add to next 10 | | Add by bridging 10 using number bonds | | | Bridge 10 to subtract with number bonds | | | Find totals of coins using number facts | | | Change/differences in amounts of money | | Totals of amounts; change from 10p, 20p | | |
| **MNU 1-03a** *Use addition and subtraction when solving problems, making best use of mental strategies*  **MTH 1-15a** *Compare, describe and show number relationships, using appropriate vocabulary and symbols*  **MTH 1-15b** *Find value of missing numbers using knowledge of number facts; explain thinking* | | | | | | | | **MNU 1-09a** *Use money to pay for items and work out how much change to receive*  **MNU 1-09b** *Investigate how different combinations of coins can be used to pay for goods or be given in change*  **MNU 1-03a** *Use addition and subtraction when solving problems, making best use of mental strategies* | | | | | | | |
| Outcomes: 7, 10, 12 | | | | | Outcomes: 7, 10 | | | Outcomes 7, 8, 10, 12, 22 | | | Outcomes 12, 22 | | Outcomes 7, 10, 12, 22 | | |

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| **Addition and Subtraction (C)** | | | | | | | | **Time** | | | | | | |
| 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 3 | Day 1 | Day 2 | Day 1 | Day 2 | Day 1 | Day 2 | Day 3 |
| Number facts to add and subtract money | | | Patterns to add/subtract 1-digit numbers | | Patterns to add 1-digit to 2-digit numbers | | | Analogue time to half/hour; sequencing | | Analogue and digital time to half/hour | | Units of time and ways of showing times | | |
| **MNU 1-03a** *Use addition and subtraction when solving problems, making best use of mental strategies*  **MTH 1-15a** *Compare, describe and show number relationships, using appropriate vocabulary and symbols*  **MTH 1-15b** *Find value of missing numbers using knowledge of number facts; explain thinking* | | | | | | | | **MNU 1-10a** *Tell the time using 12 hour clocks* | | | | | | |
| **MNU 1-09b** *Investigate how different combinations of coins can be used to pay for goods or be given in change* | | |  | | | | |  | | | | **MNU 1-10b** *Use a calendar to plan and be organised for key events* | | |
| Outcomes: 7, 9, 10, 12 | | | Outcomes: 7, 8, 9, 12 | | | | | Outcomes 19, 20, 21 | | Outcomes 19, 20 | | Outcomes 19, 20, 21 | | |

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| **Multiplication, Division and Fractions** | | | | | | | | | | **Data** | | | | |
| 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 1 | Day 2 | Day 3 | Day 1 | Day 2 |
| Counting in 2s, 5s and 10s | | | Division by finding how many sets | | Doubling and halving | | Multiplication and division as sets | | | Measure time using different units | | | Time data: graphs and pictograms | |
| **MNU 1-03a** *Use multiplication or division when solving problems, making best use of mental strategies*  **MTH 1-13b** *Explore number patterns; recognise and continue simple number sequences* | | | | | | | | | | **MNU 1-10c** *Develop a sense of how long tasks take*  **MTH 1-20a** *Explore a variety of ways in which data is presented* | | | **MNU 1-10b** *Use a calendar to plan and be organised for key events*  **MTH 1-20b** *Use a range of ways to collect information and sort it in a logical, organised and imaginative way* | |
|  | | | **MNU 1-07a** *Show understanding of the vocabulary associated with fractions*  **MNU 1-07b** *Explore how groups of items can be shared equally* | | | |  | | |
| Outcomes: 2, 14 | | | Outcomes: 14 | | Outcomes: 13,15 | | Outcomes: 2, 14 | | | Outcomes: 19, 20, 21 | | | Outcomes: 20, 23 | |

Appendix

**Year 1 Hamilton outcomes** (skills in **bold** are linked to Y1 English National Curriculum **Statutory requirements**)

**1. Count on and back in ones to and from 100 and from any 1-digit or 2-digit number; given a number up to 100, identify one more and one less.  
2. Count in 2s, 5s and 10s from 0.**3. Count on and back in tens from any 1-digit or 2-digit number, e.g. 23, 33, 43, 53... Continue to just over 100.   
**4. Locate any number on a 1-100 grid or a beaded line 0-100.  
5. Compare numbers to at least 20.  
6. Read and write numbers to 100 in numerals and read numbers in words to 20.  
7. Know number bonds to 10, e.g. 5 + 5, 6 + 4, etc. Also know what is left if objects are taken from 10, e.g. 10 fingers, fold down 4, leaves 6 standing.  
8. Begin to know pairs which make 5, 6, 7, 8, 9 and 20.**  
9. Begin to be aware of unit patterns, e.g. 2 + 4 = 6, 12 + 4 = 16, 22 + 4 = 26 etc.   
**10. Recognise the + and – and = signs, and use these to read and write simple additions and subtractions.  
11. Add small numbers by counting on; subtract small numbers by counting back.  
12. Solve missing number problems and addition/subtraction problems in number stories.**  
13. Recognise doubles to double 6 and find related halves (half even numbers up to 12).  
**14. Solve simple problems involving multiplication/division, find answers with support using objects, pictorial representations or arrays.**  
**15. Recognise, find, name a half as 1 of 2 equal parts of an object, shape, quantity.   
16. Recognise, find and name a quarter as one of four equal parts of an object, shape or quantity.**   
**17. Compare objects according to height, length, weight, capacity, using appropriate mathematical language.**   
**18. Count uniform non-standard, then simple standard units to measure length/height, weight, capacity.**   
**19. Tell the time to the half hour on analogue** and digital **clocks**.   
**20. Use the language of time including days, months, earlier, later, yesterday, minutes, hours, days, weeks and years.   
21. Sequence events in chronological order.**   
**22. Recognise and know the value of different denominations of coins and notes.**   
23. Sort items into lists or tables.   
**24. Recognise the difference between 2-D and 3-D shapes; name and describe common 2-D and 3-D shapes.   
25. Describe position, direction and movement, including whole, half, quarter and three-quarter turns.**