

| Year | Textbook | Strand                          | Unit | Unit title                       | Lesson number | New lesson title                         | NC objective   |
|------|----------|---------------------------------|------|----------------------------------|---------------|--|--|
| 5    | 5A       | Number – number and place value | 1    | Place value within 1,000,000 (1) | 1             | Roman numerals                           | read Roman numerals to 1000 (M) and recognise years written in Roman numerals.                     |
| 5    | 5A       | Number – number and place value | 1    | Place value within 1,000,000 (1) | 2             | Numbers to 10,000                        | read, write, order and compare numbers to at least 1 000 000 and determine the value of each digit |
| 5    | 5A       | Number – number and place value | 1    | Place value within 1,000,000 (1) | 3             | Numbers to 100,000                       | read, write, order and compare numbers to at least 1 000 000 and determine the value of each digit |
| 5    | 5A       | Number – number and place value | 1    | Place value within 1,000,000 (1) | 4             | Numbers to 1,000,000                     | read, write, order and compare numbers to at least 1 000 000 and determine the value of each digit |
| 5    | 5A       | Number – number and place value | 1    | Place value within 1,000,000 (1) | 5             | Read and write 5- and 6-digit numbers    | read, write, order and compare numbers to at least 1 000 000 and determine the value of each digit |
| 5    | 5A       | Number – number and place value | 1    | Place value within 1,000,000 (1) | 6             | Powers of 10                             | count forwards or backwards in steps of powers of 10 for any given number up to 1 000 000          |
| 5    | 5A       | Number – number and place value | 1    | Place value within 1,000,000 (1) | 7             | 10/100/1,000/10,000/100,000 more or less | count forwards or backwards in steps of powers of 10 for any given number up to 1 000 000          |
| 5    | 5A       | Number – number and place value | 1    | Place value within 1,000,000 (1) | 8             | Partition numbers to 1,000,000           | read, write, order and compare numbers to at least 1 000 000 and determine the value of each digit |

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| 5 | 5A | Number – number and place value   | 2 | Place value within 1,000,000 (2) | 1 | Number line to 1,000,000                       | Read, write, order and compare numbers to at least 1,000,000 and determine the value of each digit |
| 5 | 5A | Number – number and place value   | 2 | Place value within 1,000,000 (2) | 2 | Compare and order numbers to 100,000           | read, write, order and compare numbers to at least 1,000,000 and determine the value of each digit |
| 5 | 5A | Number – number and place value   | 2 | Place value within 1,000,000 (2) | 3 | Compare and order numbers to 1,000,000         | read, write, order and compare numbers to at least 1,000,000 and determine the value of each digit |
| 5 | 5A | Number – number and place value   | 2 | Place value within 1,000,000 (2) | 4 | Round numbers to the nearest 100,000           | round any number up to 1,000,000 to the nearest 10, 100, 1,000, 10,000 and 100,000                 |
| 5 | 5A | Number – number and place value   | 2 | Place value within 1,000,000 (2) | 5 | Round numbers to the nearest 10,000            | round any number up to 1,000,000 to the nearest 10, 100, 1,000, 10,000 and 100,000                 |
| 5 | 5A | Number – number and place value   | 2 | Place value within 1,000,000 (2) | 6 | Round numbers to the nearest 10, 100 and 1,000 | round any number up to 1,000,000 to the nearest 10, 100, 1,000, 10,000 and 100,000                 |
| 5 | 5A | Number – addition and subtraction | 3 | Addition and subtraction         | 1 | Mental strategies (addition)                   | add and subtract numbers mentally with increasingly large numbers                                  |
| 5 | 5A | Number – addition and subtraction | 3 | Addition and subtraction         | 2 | Mental strategies (subtraction)                | add and subtract numbers mentally with increasingly large numbers                                  |

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| 5 | 5A | Number – addition and subtraction | 3 | Addition and subtraction | 3 | Add whole numbers with more than 4 digits (1)      | add and subtract whole numbers with more than 4 digits, including using formal written methods (columnar addition and subtraction) |
| 5 | 5A | Number – addition and subtraction | 3 | Addition and subtraction | 4 | Add whole numbers with more than 4 digits (2)      | add and subtract whole numbers with more than 4 digits, including using formal written methods (columnar addition and subtraction) |
| 5 | 5A | Number – addition and subtraction | 3 | Addition and subtraction | 5 | Subtract whole numbers with more than 4 digits (1) | add and subtract whole numbers with more than 4 digits, including using formal written methods (columnar addition and subtraction) |
| 5 | 5A | Number – addition and subtraction | 3 | Addition and subtraction | 6 | Subtract whole numbers with more than 4 digits (2) | add and subtract whole numbers with more than 4 digits, including using formal written methods (columnar addition and subtraction) |
| 5 | 5A | Number – addition and subtraction | 3 | Addition and subtraction | 7 | Round to check answers                             | use rounding to check answers to calculations and determine, in the context of a problem, levels of accuracy                       |
| 5 | 5A | Number – addition and subtraction | 3 | Addition and subtraction | 8 | Inverse operations (addition and subtraction)      | estimate and use inverse operations to check answers to a calculation  |
| 5 | 5A | Number – addition and subtraction | 3 | Addition and subtraction | 9 | Multi-step addition and subtraction problems (1)   | solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why               |

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| 5 | 5A | Number – addition and subtraction    | 3 | Addition and subtraction        | 10 | Multi-step addition and subtraction problems (2) | solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why |
| 5 | 5A | Number – addition and subtraction    | 3 | Addition and subtraction        | 11 | Solve missing number problems                    | solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why |
| 5 | 5A | Number – addition and subtraction    | 3 | Addition and subtraction        | 12 | Solve comparison problems                        | solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why |
| 5 | 5A | Number – multiplication and division | 4 | Multiplication and division (1) | 1  | Multiples  | identify multiples and factors, including finding all factor pairs of a number, and common factors of two numbers    |
| 5 | 5A | Number – multiplication and division | 4 | Multiplication and division (1) | 2  | Common multiples                                 | identify multiples and factors, including finding all factor pairs of a number, and common factors of two numbers    |
| 5 | 5A | Number – multiplication and division | 4 | Multiplication and division (1) | 3  | Factors  | identify multiples and factors, including finding all factor pairs of a number, and common factors of two numbers    |
| 5 | 5A | Number – multiplication and division | 4 | Multiplication and division (1) | 4  | Common factors                                   | identify multiples and factors, including finding all factor pairs of a number, and common factors of two numbers    |

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| 5 | 5A | Number – multiplication and division                    | 4 | Multiplication and division (1) | 5  | Prime numbers                  | know and use the vocabulary of prime numbers, prime factors and composite (non-prime) numbers                            |
| 5 | 5A | Number – multiplication and division                    | 4 | Multiplication and division (1) | 6  | Square numbers                 | recognise and use square numbers and cube numbers, and the notation for squared (2) and cubed (3)                        |
| 5 | 5A | Number – multiplication and division                    | 4 | Multiplication and division (1) | 7  | Cube numbers                   | recognise and use square numbers and cube numbers, and the notation for squared (2) and cubed (3)                        |
| 5 | 5A | Number – multiplication and division                    | 4 | Multiplication and division (1) | 8  | Multiply by 10, 100 and 1,000  | multiply and divide whole numbers and those involving decimals by 10, 100 and 1000                                       |
| 5 | 5A | Number – multiplication and division                    | 4 | Multiplication and division (1) | 9  | Divide by 10, 100 and 1,000    | multiply and divide whole numbers and those involving decimals by 10, 100 and 1000                                       |
| 5 | 5A | Number – multiplication and division                    | 4 | Multiplication and division (1) | 10 | Multiples of 10, 100 and 1,000 | multiply and divide whole numbers and those involving decimals by 10, 100 and 1000                                       |
| 5 | 5A | Number – fractions (including decimals and percentages) | 5 | Fractions (1)                   | 1  | Equivalent fractions           | identify, name and write equivalent fractions of a given fraction, represented visually, including tenths and hundredths |

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| 5 | 5A | Number – fractions (including decimals and percentages) | 5 | Fractions (1) | 2 | Equivalent fractions – Unit and non-unit fractions      | identify, name and write equivalent fractions of a given fraction, represented visually, including tenths and hundredths   |
| 5 | 5A | Number – fractions (including decimals and percentages) | 5 | Fractions (1) | 3 | Equivalent fractions – Families of equivalent fractions | identify, name and write equivalent fractions of a given fraction, represented visually, including tenths and hundredths   |
| 5 | 5A | Number – fractions (including decimals and percentages) | 5 | Fractions (1) | 4 | Improper fractions to mixed numbers                     | recognise mixed numbers and improper fractions and convert from one form to the other and write mathematical statements $> 1$ as a mixed number [for example, $2/5 + 4/5 = 6/5 = 1\ 1/5$ ] |
| 5 | 5A | Number – fractions (including decimals and percentages) | 5 | Fractions (1) | 5 | Mixed numbers to improper fractions                     | recognise mixed numbers and improper fractions and convert from one form to the other and write mathematical statements $> 1$ as a mixed number [for example, $2/5 + 4/5 = 6/5 = 1\ 1/5$ ] |
| 5 | 5A | Number – fractions (including decimals and percentages) | 5 | Fractions (1) | 6 | Compare fractions less than 1                           | compare and order fractions whose denominators are all multiples of the same number  |
| 5 | 5A | Number – fractions (including decimals and percentages) | 5 | Fractions (1) | 7 | Order fractions less than 1                             | compare and order fractions whose denominators are all multiples of the same number  |

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| 5 | 5A | Number – fractions (including decimals and percentages) | 5 | Fractions (1) | 8 | Compare and order fractions greater than 1 | compare and order fractions whose denominators are all multiples of the same number                         |
| 5 | 5A | Number – fractions (including decimals and percentages) | 6 | Fractions (2) | 1 | Add and subtract fractions                 | add and subtract fractions with the same denominator and denominators that are multiples of the same number |
| 5 | 5A | Number – fractions (including decimals and percentages) | 6 | Fractions (2) | 2 | Add fractions within 1                     | add and subtract fractions with the same denominator and denominators that are multiples of the same number |
| 5 | 5A | Number – fractions (including decimals and percentages) | 6 | Fractions (2) | 3 | Add fractions with total greater than 1    | add and subtract fractions with the same denominator and denominators that are multiples of the same number |
| 5 | 5A | Number – fractions (including decimals and percentages) | 6 | Fractions (2) | 4 | Add to a mixed number                      | add and subtract fractions with the same denominator and denominators that are multiples of the same number |
| 5 | 5A | Number – fractions (including decimals and percentages) | 6 | Fractions (2) | 5 | Add two mixed numbers                      | add and subtract fractions with the same denominator and denominators that are multiples of the same number |

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| 5 | 5A | Number – fractions (including decimals and percentages) | 6 | Fractions (2)                   | 6  | Subtract fractions within 1                       | add and subtract fractions with the same denominator and denominators that are multiples of the same number                                      |
| 5 | 5A | Number – fractions (including decimals and percentages) | 6 | Fractions (2)                   | 7  | Subtract from a mixed number                      | add and subtract fractions with the same denominator and denominators that are multiples of the same number                                      |
| 5 | 5A | Number – fractions (including decimals and percentages) | 6 | Fractions (2)                   | 8  | Subtract from a mixed number – breaking the whole | add and subtract fractions with the same denominator and denominators that are multiples of the same number                                      |
| 5 | 5A | Number – fractions (including decimals and percentages) | 6 | Fractions (2)                   | 9  | Subtract two mixed numbers                        | add and subtract fractions with the same denominator and denominators that are multiples of the same number                                      |
| 5 | 5A | Number – fractions (including decimals and percentages) | 6 | Fractions (2)                   | 10 | Solve fraction problems                           | add and subtract fractions with the same denominator and denominators that are multiples of the same number                                      |
| 5 | 5A | Number – fractions (including decimals and percentages) | 6 | Fractions (2)                   | 11 | Solve multi-step fraction problems                | add and subtract fractions with the same denominator and denominators that are multiples of the same number                                      |
| 5 | 5B | Number – multiplication and division                    | 7 | Multiplication and division (2) | 1  | Multiply up to 4-digits by 1-digit                | multiply numbers up to 4 digits by a one- or two-digit number using a formal written method, including long multiplication for two-digit numbers |



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| 5 | 5B | Number – multiplication and division | 7 | Multiplication and division (2) | 2 | Multiply 2-digits (area model) | multiply numbers up to 4 digits by a one- or two-digit number using a formal written method, including long multiplication for two-digit numbers             |
| 5 | 5B | Number – multiplication and division | 7 | Multiplication and division (2) | 3 | Multiply 2-digits by 2-digits  | multiply numbers up to 4 digits by a one- or two-digit number using a formal written method, including long multiplication for two-digit numbers             |
| 5 | 5B | Number – multiplication and division | 7 | Multiplication and division (2) | 4 | Multiply 3-digits by 2-digits  | multiply numbers up to 4 digits by a one- or two-digit number using a formal written method, including long multiplication for two-digit numbers             |
| 5 | 5B | Number – multiplication and division | 7 | Multiplication and division (2) | 5 | Multiply 4-digits by 2-digits  | multiply numbers up to 4 digits by a one- or two-digit number using a formal written method, including long multiplication for two-digit numbers             |
| 5 | 5B | Number – multiplication and division | 7 | Multiplication and division (2) | 6 | Divide 4-digits by 1-digit (1) | divide numbers up to 4 digits by a one-digit number using the formal written method of short division and interpret remainders appropriately for the context |
| 5 | 5B | Number – multiplication and division | 7 | Multiplication and division (2) | 7 | Divide 4-digits by 1-digit (2) | divide numbers up to 4 digits by a one-digit number using the formal written method of short division and interpret remainders appropriately for the context |

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| 5 | 5B | Number – multiplication and division                    | 7 | Multiplication and division (2) | 8  | Divide with remainders                          | divide numbers up to 4 digits by a one-digit number using the formal written method of short division and interpret remainders appropriately for the context |
| 5 | 5B | Number – multiplication and division                    | 7 | Multiplication and division (2) | 9  | Efficient division                              | divide numbers up to 4 digits by a one-digit number using the formal written method of short division and interpret remainders appropriately for the context |
| 5 | 5B | Number – multiplication and division                    | 7 | Multiplication and division (2) | 10 | Solve problems with multiplication and division | divide numbers up to 4 digits by a one-digit number using the formal written method of short division and interpret remainders appropriately for the context |
| 5 | 5B | Number – fractions (including decimals and percentages) | 8 | Fractions (3)                   | 1  | Multiply unit fractions by an integer           | multiply proper fractions and mixed numbers by whole numbers, supported by materials and diagrams  |

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| 5 | 5B | Number – fractions (including decimals and percentages) | 8 | Fractions (3) | 2 | Multiply non-unit fractions by an integer | multiply proper fractions and mixed numbers by whole numbers, supported by materials and diagrams |
| 5 | 5B | Number – fractions (including decimals and percentages) | 8 | Fractions (3) | 3 | Multiply mixed numbers by integers (1)    | multiply proper fractions and mixed numbers by whole numbers, supported by materials and diagrams |
| 5 | 5B | Number – fractions (including decimals and percentages) | 8 | Fractions (3) | 4 | Multiply mixed numbers by integers (2)    | multiply proper fractions and mixed numbers by whole numbers, supported by materials and diagrams |
| 5 | 5B | Number – fractions (including decimals and percentages) | 8 | Fractions (3) | 5 | Fraction of an amount                     | multiply proper fractions and mixed numbers by whole numbers, supported by materials and diagrams |
| 5 | 5B | Number – fractions (including decimals and percentages) | 8 | Fractions (3) | 6 | Finding the whole                         | multiply proper fractions and mixed numbers by whole numbers, supported by materials and diagrams |

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| 5 | 5B | Number – fractions (including decimals and percentages) | 8 | Fractions (3)            | 7 | Using fractions as operators                            | multiply proper fractions and mixed numbers by whole numbers, supported by materials and diagrams |
| 5 | 5B | Number – fractions (including decimals and percentages) | 9 | Decimals and percentages | 1 | Write decimals up to 2 decimal places – less than 1     | read, write, order and compare numbers with up to three decimal places                            |
| 5 | 5B | Number – fractions (including decimals and percentages) | 9 | Decimals and percentages | 2 | Write decimals up to 2 decimals places – greater than 1 | read, write, order and compare numbers with up to three decimal places                            |
| 5 | 5B | Number – fractions (including decimals and percentages) | 9 | Decimals and percentages | 3 | Equivalent fractions and decimals – tenths              | read and write decimal numbers as fractions [for example, 0.71 = $\frac{71}{100}$ ]               |

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| 5 | 5B | Number – fractions (including decimals and percentages) | 9 | Decimals and percentages | 4  | Equivalent fractions and decimals – hundredths             | read and write decimal numbers as fractions [for example, 0.71 = 71/100]                    |
| 5 | 5B | Number – fractions (including decimals and percentages) | 9 | Decimals and percentages | 5  | Equivalent fractions and decimals                          | read and write decimal numbers as fractions [for example, 0.71 = 71/100]                    |
| 5 | 5B | Number – fractions (including decimals and percentages) | 9 | Decimals and percentages | 6  | Thousandths as fractions                                   | recognise and use thousandths and relate them to tenths, hundredths and decimal equivalents |
| 5 | 5B | Number – fractions (including decimals and percentages) | 9 | Decimals and percentages | 7  | Thousandths as decimals                                    | recognise and use thousandths and relate them to tenths, hundredths and decimal equivalents |
| 5 | 5B | Number – fractions (including decimals and percentages) | 9 | Decimals and percentages | 8  | Thousandths on a place value grid                          | recognise and use thousandths and relate them to tenths, hundredths and decimal equivalents |
| 5 | 5B | Number – fractions (including decimals and percentages) | 9 | Decimals and percentages | 9  | Order and compare decimals – same number of decimal places | read, write, order and compare numbers with up to three decimal places                      |
| 5 | 5B | Number – fractions (including decimals and percentages) | 9 | Decimals and percentages | 10 | Order and compare any decimals with up to 3 decimal places | read, write, order and compare numbers with up to three decimal places                      |

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| 5 | 5B | Number – fractions (including decimals and percentages) | 9  | Decimals and percentages     | 11 | Round to the nearest whole number              | round decimals with two decimal places to the nearest whole number and to one decimal place   |
| 5 | 5B | Number – fractions (including decimals and percentages) | 9  | Decimals and percentages     | 12 | Round to one decimal place                     | round decimals with two decimal places to the nearest whole number and to one decimal place   |
| 5 | 5B | Number – fractions (including decimals and percentages) | 9  | Decimals and percentages     | 13 | Understand percentages                         | recognise the per cent symbol (%) and understand that per cent relates to ‘number of parts per hundred’, and write percentages as a fraction with denominator 100, and as a decimal |
| 5 | 5B | Number – fractions (including decimals and percentages) | 9  | Decimals and percentages     | 14 | Percentages as fractions and decimals          | recognise the per cent symbol (%) and understand that per cent relates to ‘number of parts per hundred’, and write percentages as a fraction with denominator 100, and as a decimal |
| 5 | 5B | Number – fractions (including decimals and percentages) | 9  | Decimals and percentages     | 15 | Equivalent fractions, decimals and percentages | recognise the per cent symbol (%) and understand that per cent relates to ‘number of parts per hundred’, and write percentages as a fraction with denominator 100, and as a decimal |
| 5 | 5B | Measurement   | 10 | Measure – perimeter and area | 1  | Perimeter of rectangles                        | measure and calculate the perimeter of composite rectilinear shapes in centimetres and metres   |

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| 5 | 5B | Measurement | 10 | Measure – perimeter and area | 2 | Perimeter of rectilinear shapes (1) | measure and calculate the perimeter of composite rectilinear shapes in centimetres and metres   |
| 5 | 5B | Measurement | 10 | Measure – perimeter and area | 3 | Perimeter of rectilinear shapes (2) | measure and calculate the perimeter of composite rectilinear shapes in centimetres and metres   |
| 5 | 5B | Measurement | 10 | Measure – perimeter and area | 4 | Perimeter of polygons               | measure and calculate the perimeter of composite rectilinear shapes in centimetres and metres   |
| 5 | 5B | Measurement | 10 | Measure – perimeter and area | 5 | Area of rectangles (1)              | calculate and compare the area of rectangles (including squares), and including using standard units, square centimetres (cm <sup>2</sup> ) and square metres (m <sup>2</sup> ) and estimate the area of irregular shapes |
| 5 | 5B | Measurement | 10 | Measure – perimeter and area | 6 | Area of rectangles (2)              | calculate and compare the area of rectangles (including squares), and including using standard units, square centimetres (cm <sup>2</sup> ) and square metres (m <sup>2</sup> ) and estimate the area of irregular shapes |

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| 5 | 5B | Measurement | 10 | Measure – perimeter and area | 7 | Area of compound shapes            | calculate and compare the area of rectangles (including squares), and including using standard units, square centimetres (cm <sup>2</sup> ) and square metres (m <sup>2</sup> ) and estimate the area of irregular shapes |
| 5 | 5B | Measurement | 10 | Measure – perimeter and area | 8 | Estimate area                      | calculate and compare the area of rectangles (including squares), and including using standard units, square centimetres (cm <sup>2</sup> ) and square metres (m <sup>2</sup> ) and estimate the area of irregular shapes |
| 5 | 5B | Statistics  | 11 | Graphs and tables            | 1 | Draw line graphs                   | solve comparison, sum and difference problems using information presented in a line graph   |
| 5 | 5B | Statistics  | 11 | Graphs and tables            | 2 | Read and interpret line graphs (1) | solve comparison, sum and difference problems using information presented in a line graph   |
| 5 | 5B | Statistics  | 11 | Graphs and tables            | 3 | Read and interpret line graphs (2) | solve comparison, sum and difference problems using information presented in a line graph   |
| 5 | 5B | Statistics  | 11 | Graphs and tables            | 4 | Read and interpret tables          | complete, read and interpret information in tables, including timetables  |



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| 5 | 5B | Statistics                      | 11 | Graphs and tables               | 5 | Two-way tables                   | complete, read and interpret information in tables, including timetables                  |
| 5 | 5B | Statistics                      | 11 | Graphs and tables               | 6 | Timetables – reading             | complete, read and interpret information in tables, including timetables                  |
| 5 | 5C | Geometry – properties of shapes | 12 | Geometry – properties of shapes | 1 | Understand and use degrees       | know angles are measured in degrees: estimate and compare acute, obtuse and reflex angles |
| 5 | 5C | Geometry – properties of shapes | 12 | Geometry – properties of shapes | 2 | Measure acute angles             | know angles are measured in degrees: estimate and compare acute, obtuse and reflex angle  |
| 5 | 5C | Geometry – properties of shapes | 12 | Geometry – properties of shapes | 3 | Measure angles up to 180°        | know angles are measured in degrees: estimate and compare acute, obtuse and reflex angles |
| 5 | 5C | Geometry – properties of shapes | 12 | Geometry – properties of shapes | 4 | Draw lines and angles accurately | draw given angles, and measure them in degrees (o)  |

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| 5 | 5C | Geometry – properties of shapes | 12 | Geometry – properties of shapes | 5  | Calculate angles around a point     | identify:<br>-angles at a point and one whole turn (total 360o)<br>-angles at a point on a straight line and 1/2 a turn (total 180o)<br>-other multiples of 90o |
| 5 | 5C | Geometry – properties of shapes | 12 | Geometry – properties of shapes | 6  | Calculate angles on a straight line | identify:<br>-angles at a point and one whole turn (total 360o)<br>-angles at a point on a straight line and 1/2 a turn (total 180o)<br>-other multiples of 90o |
| 5 | 5C | Geometry – properties of shapes | 12 | Geometry – properties of shapes | 7  | Lengths and angles in shapes        | use the properties of rectangles to deduce related facts and find missing lengths and angles  |
| 5 | 5C | Geometry – properties of shapes | 12 | Geometry – properties of shapes | 8  | Regular and irregular polygons      | distinguish between regular and irregular polygons based on reasoning about equal sides and angles  |
| 5 | 5C | Geometry – properties of shapes | 12 | Geometry – properties of shapes | 9  | Parallel lines                      | identify horizontal and vertical lines and pairs of perpendicular and parallel lines (Year 3)   |
| 5 | 5C | Geometry – properties of shapes | 12 | Geometry – properties of shapes | 10 | Perpendicular lines                 | identify horizontal and vertical lines and pairs of perpendicular and parallel lines (Year 3)   |

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| 5 | 5C | Geometry – properties of shapes   | 12 | Geometry – properties of shapes   | 11 | Investigate lines                | identify horizontal and vertical lines and pairs of perpendicular and parallel lines (Year 3)   |
| 5 | 5C | Geometry – properties of shapes   | 12 | Geometry – properties of shapes   | 12 | 3D shapes                        | identify 3D shapes, including cubes and other cuboids, from 2D representations  |
| 5 | 5C | Geometry – position and direction | 13 | Geometry – position and direction | 1  | Read and plot coordinates        | Describe positions on a 2D grid as coordinates in the first quadrant (Year 4)   |
| 5 | 5C | Geometry – position and direction | 13 | Geometry – position and direction | 2  | Problem solving with coordinates | Describe positions on a 2D grid as coordinates in the first quadrant (Year 4)   |
| 5 | 5C | Geometry – position and direction | 13 | Geometry – position and direction | 3  | Translate shapes                 | identify, describe and represent the position of a shape following a reflection or translation, using the appropriate language, and know that the shape has not changed |
| 5 | 5C | Geometry – position and direction | 13 | Geometry – position and direction | 4  | Translate points                 | identify, describe and represent the position of a shape following a reflection or translation, using the appropriate language, and know that the shape has not changed |

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| 5 | 5C | Geometry – position and direction                       | 13 | Geometry – position and direction | 5 | Lines of symmetry                           | identify lines of symmetry in 2D shapes presented in different orientations (Year 4)  |
| 5 | 5C | Geometry – position and direction                       | 13 | Geometry – position and direction | 6 | Reflection in horizontal and vertical lines | identify, describe and represent the position of a shape following a reflection or translation, using the appropriate language, and know that the shape has not changed |
| 5 | 5C | Number – fractions (including decimals and percentages) | 14 | Decimals                          | 1 | Add and subtract decimals within 1 (1)      | solve problems involving number up to three decimal places  |
| 5 | 5C | Number – fractions (including decimals and percentages) | 14 | Decimals                          | 2 | Add and subtract decimals within 1 (2)      | solve problems involving number up to three decimal places  |
| 5 | 5C | Number – fractions (including decimals and percentages) | 14 | Decimals                          | 3 | Complements to 1                            | solve problems involving number up to three decimal places  |
| 5 | 5C | Number – fractions (including decimals and percentages) | 14 | Decimals                          | 4 | Add and subtract decimals (bridging)        | solve problems involving number up to three decimal places  |

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| 5 | 5C | Number – fractions (including decimals and percentages) | 14 | Decimals | 5  | Add decimals – same number of decimal places               | solve problems involving number up to three decimal places                                  |
| 5 | 5C | Number – fractions (including decimals and percentages) | 14 | Decimals | 6  | Subtract decimals with the same number of decimal places   | solve problems involving number up to three decimal places                                  |
| 5 | 5C | Number – fractions (including decimals and percentages) | 14 | Decimals | 7  | Add decimals with different numbers of decimal places      | solve problems involving number up to three decimal places                                  |
| 5 | 5C | Number – fractions (including decimals and percentages) | 14 | Decimals | 8  | Subtract decimals with different numbers of decimal places | solve problems involving number up to three decimal places                                  |
| 5 | 5C | Number – fractions (including decimals and percentages) | 14 | Decimals | 9  | Problem solving with decimals (1)                          | solve problems involving number up to three decimal places                                  |
| 5 | 5C | Number – fractions (including decimals and percentages) | 14 | Decimals | 10 | Problem solving with decimals (2)                          | solve problems involving number up to three decimal places                                  |
| 5 | 5C | Number – fractions (including decimals and percentages) | 14 | Decimals | 11 | Decimal sequences  | read, write, order and compare numbers with up to three decimal places                      |
| 5 | 5C | Number – fractions (including decimals and percentages) | 14 | Decimals | 12 | Multiply by 10   | recognise and use thousandths and relate them to tenths, hundredths and decimal equivalents |
| 5 | 5C | Number – fractions (including decimals and percentages) | 14 | Decimals | 13 | Multiply by 10, 100 and 1,000                              | recognise and use thousandths and relate them to tenths, hundredths and decimal equivalents |

|   |    |   |    |                  |    |                                    |  |
|---|----|---|----|------------------|----|------------------------------------|--|
| 5 | 5C | Number – fractions (including decimals and percentages) | 14 | Decimals         | 14 | Divide by 10                       | recognise and use thousandths and relate them to tenths, hundredths and decimal equivalents  |
| 5 | 5C | Number – fractions (including decimals and percentages) | 14 | Decimals         | 15 | Divide by 10, 100 and 1,000        | recognise and use thousandths and relate them to tenths, hundredths and decimal equivalents  |
| 5 | 5C | Number – number and place value                         | 15 | Negative numbers | 1  | Understand negative numbers        | interpret negative numbers in context, count forwards and backwards with positive and negative whole numbers, including through zero |
| 5 | 5C | Number – number and place value                         | 15 | Negative numbers | 2  | Count through zero                 | interpret negative numbers in context, count forwards and backwards with positive and negative whole numbers, including through zero |
| 5 | 5C | Number – number and place value                         | 15 | Negative numbers | 3  | Compare and order negative numbers | interpret negative numbers in context, count forwards and backwards with positive and negative whole numbers, including through zero |
| 5 | 5C | Number – number and place value                         | 15 | Negative numbers | 4  | Find the difference                | interpret negative numbers in context, count forwards and backwards with positive and negative whole numbers, including through zero |

|   |    |             |    |                            |   |                             |  |
|---|----|-------------|----|----------------------------|---|-----------------------------|--|
| 5 | 5C | Measurement | 16 | Measure – converting units | 1 | Kilograms and kilometres    | convert between different units of metric measure (for example, kilometre and metre; centimetre and metre; centimetre and millimetre; gram and kilogram; litre and millilitre) |
| 5 | 5C | Measurement | 16 | Measure – converting units | 2 | Millimetres and millilitres | convert between different units of metric measure (for example, kilometre and metre; centimetre and metre; centimetre and millimetre; gram and kilogram; litre and millilitre) |
| 5 | 5C | Measurement | 16 | Measure – converting units | 3 | Convert units of length     | convert between different units of metric measure (for example, kilometre and metre; centimetre and metre; centimetre and millimetre; gram and kilogram; litre and millilitre) |
| 5 | 5C | Measurement | 16 | Measure – converting units | 4 | Imperial units of length    | understand and use approximate equivalences between metric units and common imperial units such as inches, pounds and pints  |
| 5 | 5C | Measurement | 16 | Measure – converting units | 5 | Imperial units of mass      | understand and use approximate equivalences between metric units and common imperial units such as inches, pounds and pints  |

|   |    |             |    |                               |    |  |  |
|---|----|-------------|----|-------------------------------|----|--|--|
| 5 | 5C | Measurement | 16 | Measure – converting units    | 6  | Imperial units of capacity             | understand and use approximate equivalences between metric units and common imperial units such as inches, pounds and pints                      |
| 5 | 5C | Measurement | 16 | Measure – converting units    | 7  | Convert units of time                  | solve problems involving converting between units of time  |
| 5 | 5C | Measurement | 16 | Measure – converting units    | 8  | Timetables – calculating               | solve problems involving converting between units of time  |
| 5 | 5C | Measurement | 16 | Measure – converting units    | 9  | Problem solving – units of measure (1) | use all four operations to solve problems involving measure [for example, length, mass, volume, money] using decimal notation, including scaling |
| 5 | 5C | Measurement | 16 | Measure – converting units    | 10 | Problem solving – units of measure (2) | use all four operations to solve problems involving measure [for example, length, mass, volume, money] using decimal notation, including scaling |
| 5 | 5C | Measurement | 17 | Measure – volume and capacity | 1  | Cubic centimetres                      | estimate volume [for example, using 1 cm <sup>3</sup> blocks to build cuboids (including cubes)] and capacity [for example, using water]         |
| 5 | 5C | Measurement | 17 | Measure – volume and capacity | 2  | Compare volume                         | estimate volume [for example, using 1 cm <sup>3</sup> blocks to build cuboids (including cubes)] and capacity [for example, using water]         |



|   |    |                                 |    |                               |   |                                 |  |
|---|----|---------------------------------|----|-------------------------------|---|---------------------------------|--|
| 5 | 5C | Measurement                     | 17 | Measure – volume and capacity | 3 | Estimate volume                 | estimate volume [for example, using 1 cm <sup>3</sup> blocks to build cuboids (including cubes)] and capacity [for example, using water] |
|   |    |                                 |    |                               |   |                                 |  |
| 6 | 6A | Number – number and place value | 1  | Place value within 10,000,000 | 1 | Numbers to 1,000,000            | Read, write, order and compare numbers up to 10,000,000 and determine the value of each digit  |
| 6 | 6A | Number – number and place value | 1  | Place value within 10,000,000 | 2 | Numbers to 10,000,000           | Read, write, order and compare numbers up to 10,000,000 and determine the value of each digit  |
| 6 | 6A | Number – number and place value | 1  | Place value within 10,000,000 | 3 | Partition numbers to 10,000,000 | Read, write, order and compare numbers up to 10,000,000 and determine the value of each digit  |
| 6 | 6A | Number – number and place value | 1  | Place value within 10,000,000 | 4 | Powers of 10                    | Read, write, order and compare numbers up to 10,000,000 and determine the value of each digit  |
| 6 | 6A | Number – number and place value | 1  | Place value within 10,000,000 | 5 | Number line to 10,000,000       | Read, write, order and compare numbers up to 10,000,000 and determine the value of each digit  |
| 6 | 6A | Number – number and place value | 1  | Place value within 10,000,000 | 6 | Compare and order any number    | Read, write, order and compare numbers up to 10,000,000 and determine the value of each digit  |

|   |    |   |   |                               |   |  |  |
|---|----|---|---|-------------------------------|---|--|--|
| 6 | 6A | Number – number and place value                             | 1 | Place value within 10,000,000 | 7 | Round any number                           | round any whole number to a required degree of accuracy  |
| 6 | 6A | Number – number and place value                             | 1 | Place value within 10,000,000 | 8 | Negative numbers                           | use negative numbers in context, and calculate intervals across zero   |
| 6 | 6A | Number – addition, subtraction, multiplication and division | 2 | Four operations (1)           | 1 | Add integers                               | solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why |
| 6 | 6A | Number – addition, subtraction, multiplication and division | 2 | Four operations (1)           | 2 | Subtract integers                          | solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why |
| 6 | 6A | Number – addition, subtraction, multiplication and division | 2 | Four operations (1)           | 3 | Problem solving – addition and subtraction | solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why |
| 6 | 6A | Number – addition, subtraction, multiplication and division | 2 | Four operations (1)           | 4 | Common factors                             | identify common factors, common multiples and prime numbers  |
| 6 | 6A | Number – addition, subtraction, multiplication and division | 2 | Four operations (1)           | 5 | Common multiples                           | identify common factors, common multiples and prime numbers  |
| 6 | 6A | Number – addition, subtraction, multiplication and division | 2 | Four operations (1)           | 6 | Rules of divisibility                      | identify common factors, common multiples and prime numbers  |
| 6 | 6A | Number – addition, subtraction, multiplication and division | 2 | Four operations (1)           | 7 | Primes to 100                              | identify common factors, common multiples and prime numbers  |

|   |    |   |   |                     |   |   |   |
|---|----|---|---|---------------------|---|---|---|
| 6 | 6A | Number – addition, subtraction, multiplication and division | 2 | Four operations (1) | 8 | Squares and cubes   | Recognise and use square numbers and cube numbers, and the notation for squared (2) and cubed (3) (year 5)  |
| 6 | 6A | Number – addition, subtraction, multiplication and division | 3 | Four operations (2) | 1 | Multiply by a 1-digit number                                | multiply multi-digit numbers up to 4 digits by a two-digit whole number using the formal written method of long multiplication  |
| 6 | 6A | Number – addition, subtraction, multiplication and division | 3 | Four operations (2) | 2 | Multiply up to a 4-digit number by a 2-digit number         | multiply multi-digit numbers up to 4 digits by a two-digit whole number using the formal written method of long multiplication  |
| 6 | 6A | Number – addition, subtraction, multiplication and division | 3 | Four operations (2) | 3 | Short division  | divide numbers up to 4 digits by a two-digit number using the formal written method of short division where appropriate, interpreting remainders according to the context |
| 6 | 6A | Number – addition, subtraction, multiplication and division | 3 | Four operations (2) | 4 | Division using factors                                      | identify common factors, common multiples and prime numbers   |
| 6 | 6A | Number – addition, subtraction, multiplication and division | 3 | Four operations (2) | 5 | Divide a 3-digit number by a 2-digit number (long division) | divide numbers up to 4 digits by a two-digit number using the formal written method of short division where appropriate, interpreting remainders according to the context |

|   |    |   |   |                     |    |   |   |
|---|----|---|---|---------------------|----|---|---|
| 6 | 6A | Number – addition, subtraction, multiplication and division | 3 | Four operations (2) | 6  | Divide a 4-digit number by a 2-digit number (long division) | divide numbers up to 4 digits by a two-digit number using the formal written method of short division where appropriate, interpreting remainders according to the context |
| 6 | 6A | Number – addition, subtraction, multiplication and division | 3 | Four operations (2) | 7  | Long division with remainders                               | divide numbers up to 4 digits by a two-digit number using the formal written method of short division where appropriate, interpreting remainders according to the context |
| 6 | 6A | Number – addition, subtraction, multiplication and division | 3 | Four operations (2) | 8  | Order of operations   | use their knowledge of the order of operations to carry out calculations involving the four operations  |
| 6 | 6A | Number – addition, subtraction, multiplication and division | 3 | Four operations (2) | 9  | Brackets  | use their knowledge of the order of operations to carry out calculations involving the four operations  |
| 6 | 6A | Number – addition, subtraction, multiplication and division | 3 | Four operations (2) | 10 | Mental calculations (1)                                     | perform mental calculations, including with mixed operations and large numbers  |
| 6 | 6A | Number – addition, subtraction, multiplication and division | 3 | Four operations (2) | 11 | Mental calculations (2)                                     | perform mental calculations, including with mixed operations and large numbers  |

|   |    |   |   |                     |    |                                       |   |
|---|----|---|---|---------------------|----|---------------------------------------|---|
| 6 | 6A | Number – addition, subtraction, multiplication and division | 3 | Four operations (2) | 12 | Reason from known facts               | use their knowledge of the order of operations to carry out calculations involving the four operations              |
| 6 | 6A | Number – fractions  | 4 | Fractions (1)       | 1  | Equivalent fractions and simplifying  | use common factors to simplify fractions; use common multiples to express fractions in the same denomination        |
| 6 | 6A | Number – fractions  | 4 | Fractions (1)       | 2  | Equivalent fractions on a number line | compare and order fractions, including fractions > 1  |
| 6 | 6A | Number – fractions  | 4 | Fractions (1)       | 3  | Compare and order fractions           | compare and order fractions, including fractions > 1  |
| 6 | 6A | Number – fractions  | 4 | Fractions (1)       | 4  | Add and subtract simple fractions     | add and subtract fractions with different denominators and mixed numbers, using the concept of equivalent fractions |
| 6 | 6A | Number – fractions  | 4 | Fractions (1)       | 5  | Add and subtract any two fractions    | add and subtract fractions with different denominators and mixed numbers, using the concept of equivalent fractions |
| 6 | 6A | Number – fractions  | 4 | Fractions (1)       | 6  | Add mixed numbers                     | add and subtract fractions with different denominators and mixed numbers, using the concept of equivalent fractions |

|   |    |                    |   |               |   |  |   |
|---|----|--------------------|---|---------------|---|--|---|
| 6 | 6A | Number – fractions | 4 | Fractions (1) | 7 | Subtract mixed numbers                             | add and subtract fractions with different denominators and mixed numbers, using the concept of equivalent fractions       |
| 6 | 6A | Number – fractions | 4 | Fractions (1) | 8 | Multi-step problems                                | add and subtract fractions with different denominators and mixed numbers, using the concept of equivalent fractions       |
| 6 | 6A | Number – fractions | 4 | Fractions (1) | 9 | Problem solving – adding and subtracting fractions | add and subtract fractions with different denominators and mixed numbers, using the concept of equivalent fractions       |
| 6 | 6A | Number – fractions | 5 | Fractions (2) | 1 | Multiply fractions by integers                     | multiply proper fractions and mixed numbers by whole numbers, supported by materials and diagrams                         |
| 6 | 6A | Number – fractions | 5 | Fractions (2) | 2 | Multiply fractions by fractions (1)                | multiply simple pairs of proper fractions, writing the answer in its simplest form [for example, $1/4 \times 1/2 = 1/8$ ] |
| 6 | 6A | Number – fractions | 5 | Fractions (2) | 3 | Multiply fractions by fractions (2)                | multiply simple pairs of proper fractions, writing the answer in its simplest form [for example, $1/4 \times 1/2 = 1/8$ ] |
| 6 | 6A | Number – fractions | 5 | Fractions (2) | 4 | Divide a fraction by an integer (1)                | divide proper fractions by whole numbers [for example, $1/3 \div 2 = 1/6$ ]   |

|   |    |                    |   |  |   |  |   |
|---|----|--------------------|---|--|---|--|---|
| 6 | 6A | Number – fractions | 5 | Fractions (2)                          | 5 | Divide a fraction by an integer (2)    | divide proper fractions by whole numbers [for example, $1/3 \div 2 = 1/6$ ]   |
| 6 | 6A | Number – fractions | 5 | Fractions (2)                          | 6 | Divide a fraction by an integer (3)    | divide proper fractions by whole numbers [for example, $1/3 \div 2 = 1/6$ ]   |
| 6 | 6A | Number – fractions | 5 | Fractions (2)                          | 7 | Mixed questions with fractions         | add and subtract fractions with different denominators and mixed numbers, using the concept of equivalent fractions   |
| 6 | 6A | Number – fractions | 5 | Fractions (2)                          | 8 | Fraction of an amount                  | use written division methods in cases where the answer has up to two decimal places   |
| 6 | 6A | Number – fractions | 5 | Fractions (2)                          | 9 | Fraction of an amount – find the whole | use written division methods in cases where the answer has up to two decimal places   |
| 6 | 6A | Measurement        | 6 | Measure – imperial and metric measures | 1 | Metric measures                        | use, read, write and convert between standard units, converting measurements of length, mass, volume and time from a smaller unit of measure to a larger unit, and vice versa, using decimal notation to up to three decimal places |

|   |    |                      |   |  |   |                                |   |
|---|----|----------------------|---|--|---|--------------------------------|---|
| 6 | 6A | Measurement          | 6 | Measure – imperial and metric measures | 2 | Convert metric measures        | use, read, write and convert between standard units, converting measurements of length, mass, volume and time from a smaller unit of measure to a larger unit, and vice versa, using decimal notation to up to three decimal places |
| 6 | 6A | Measurement          | 6 | Measure – imperial and metric measures | 3 | Calculate with metric measures | solve problems involving the calculation and conversion of units of measure, using decimal notation up to three decimal places where appropriate  |
| 6 | 6A | Measurement          | 6 | Measure – imperial and metric measures | 4 | Miles and kilometres           | Convert between miles and kilometres  |
| 6 | 6A | Measurement          | 6 | Measure – imperial and metric measures | 5 | Imperial measures              | Use, read, write and convert between standard units, converting measurements of length, mass, volume and time from a smaller unit of measure to a larger unit, and vice versa, using decimal notation to up to three decimal places |
|   |    |                      |   |  |   |                                |   |
| 6 | 6B | Ratio and proportion | 7 | Ratio and proportion                   | 1 | Use ratio language             | solve problems involving unequal sharing and grouping using knowledge of fractions and multiples  |



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|---|----|----------------------|---|----------------------|---|--|--|
| 6 | 6B | Ratio and proportion | 7 | Ratio and proportion | 2 | Introduce the ratio symbol                 | solve problems involving unequal sharing and grouping using knowledge of fractions and multiples |
| 6 | 6B | Ratio and proportion | 7 | Ratio and proportion | 3 | Ratio and fractions                        | solve problems involving unequal sharing and grouping using knowledge of fractions and multiples |
| 6 | 6B | Ratio and proportion | 7 | Ratio and proportion | 4 | Scale drawing                              | solve problems involving similar shapes where the scale factor is known or can be found          |
| 6 | 6B | Ratio and proportion | 7 | Ratio and proportion | 5 | Scale factors                              | solve problems involving similar shapes where the scale factor is known or can be found          |
| 6 | 6B | Ratio and proportion | 7 | Ratio and proportion | 6 | Similar shapes                             | solve problems involving similar shapes where the scale factor is known or can be found          |
| 6 | 6B | Ratio and proportion | 7 | Ratio and proportion | 7 | Ratio problems                             | solve problems involving unequal sharing and grouping using knowledge of fractions and multiples |
| 6 | 6B | Ratio and proportion | 7 | Ratio and proportion | 8 | Problem solving – ratio and proportion (1) | solve problems involving unequal sharing and grouping using knowledge of fractions and multiples |

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|---|----|----------------------|---|----------------------|---|--|--|
| 6 | 6B | Ratio and proportion | 7 | Ratio and proportion | 9 | Problem solving – ratio and proportion (2) | solve problems involving unequal sharing and grouping using knowledge of fractions and multiples |
| 6 | 6B | Algebra              | 8 | Algebra              | 1 | Find a rule – one step                     | generate and describe linear number sequences  |
| 6 | 6B | Algebra              | 8 | Algebra              | 2 | Find a rule – two steps                    | generate and describe linear number sequences  |
| 6 | 6B | Algebra              | 8 | Algebra              | 3 | Form expressions                           | generate and describe linear number sequences  |
| 6 | 6B | Algebra              | 8 | Algebra              | 4 | Substitution (1)                           | express missing number problems algebraically  |
| 6 | 6B | Algebra              | 8 | Algebra              | 5 | Substitution (2)                           | express missing number problems algebraically  |
| 6 | 6B | Algebra              | 8 | Algebra              | 6 | Formulae                                   | use simple formulae  |
| 6 | 6B | Algebra              | 8 | Algebra              | 7 | Form and solve equations                   | express missing number problems algebraically  |
| 6 | 6B | Algebra              | 8 | Algebra              | 8 | Solve one-step equations                   | express missing number problems algebraically  |
| 6 | 6B | Algebra              | 8 | Algebra              | 9 | Solve two-step equations                   | express missing number problems algebraically  |

|   |    |   |   |          |    |                                  |   |
|---|----|---|---|----------|----|----------------------------------|---|
| 6 | 6B | Algebra   | 8 | Algebra  | 10 | Find pairs of values             | find pairs of numbers that satisfy an equation with two unknowns  |
| 6 | 6B | Algebra   | 8 | Algebra  | 11 | Solve problems with two unknowns | enumerate possibilities of combinations of two variables  |
| 6 | 6B | Number – fractions (including decimals and percentages) | 9 | Decimals | 1  | Place value to 3 decimal places  | identify the value of each digit in numbers given to three decimal places and multiply and divide numbers by 10, 100 and 1000 giving answers up to three decimal places |
| 6 | 6B | Number – fractions (including decimals and percentages) | 9 | Decimals | 2  | Round decimals                   | identify the value of each digit in numbers given to three decimal places and multiply and divide numbers by 10, 100 and 1000 giving answers up to three decimal places |
| 6 | 6B | Number – fractions (including decimals and percentages) | 9 | Decimals | 3  | Add and subtract decimals        | solve problems which require answers to be rounded to specified degrees of accuracy   |
| 6 | 6B | Number – fractions (including decimals and percentages) | 9 | Decimals | 4  | Multiply by 10, 100 and 1,000    | identify the value of each digit in numbers given to three decimal places and multiply and divide numbers by 10, 100 and 1000 giving answers up to three decimal places |

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|---|----|--|----|-------------|---|-------------------------------|---|
| 6 | 6B | Number – fractions<br>(including decimals and percentages) | 9  | Decimals    | 5 | Divide by 10, 100 and 1,000   | identify the value of each digit in numbers given to three decimal places and multiply and divide numbers by 10, 100 and 1000 giving answers up to three decimal places |
| 6 | 6B | Number – fractions<br>(including decimals and percentages) | 9  | Decimals    | 6 | Multiply decimals by integers | multiply one-digit numbers with up to two decimal places by whole numbers   |
| 6 | 6B | Number – fractions<br>(including decimals and percentages) | 9  | Decimals    | 7 | Divide decimals by integers   | use written division methods in cases where the answer has up to two decimal places   |
| 6 | 6B | Number – fractions<br>(including decimals and percentages) | 9  | Decimals    | 8 | Fractions to decimals         | associate a fraction with division and calculate decimal fraction equivalents [for example, 0.375] for a simple fraction [for example, $\frac{3}{8}$ ]                  |
| 6 | 6B | Number – fractions<br>(including decimals and percentages) | 9  | Decimals    | 9 | Fraction as division          | associate a fraction with division and calculate decimal fraction equivalents [for example, 0.375] for a simple fraction [for example, $\frac{3}{8}$ ]                  |
| 6 | 6B | Number – fractions<br>(including decimals and percentages) | 10 | Percentages | 1 | Understand percentages        | recall and use equivalences between simple fractions, decimals and percentages, including in different contexts   |

|   |    |   |    |             |   |  |  |
|---|----|---|----|-------------|---|--|--|
| 6 | 6B | Number – fractions (including decimals and percentages) | 10 | Percentages | 2 | Fractions to percentages                       | recall and use equivalences between simple fractions, decimals and percentages, including in different contexts                                      |
| 6 | 6B | Number – fractions (including decimals and percentages) | 10 | Percentages | 3 | Equivalent fractions, decimals and percentages | recall and use equivalences between simple fractions, decimals and percentages, including in different contexts                                      |
| 6 | 6B | Number – fractions (including decimals and percentages) | 10 | Percentages | 4 | Order fractions, decimals and percentages      | compare and order fractions, including fractions > 1   |
| 6 | 6B | Number – fractions (including decimals and percentages) | 10 | Percentages | 5 | Simple percentage of an amount                 | solve problems involving the calculation of percentages [for example, of measures, and such as 15% of 360] and the use of percentages for comparison |
| 6 | 6B | Number – fractions (including decimals and percentages) | 10 | Percentages | 6 | Percentage of an amount – 1%                   | solve problems involving the calculation of percentages [for example, of measures, and such as 15% of 360] and the use of percentages for comparison |
| 6 | 6B | Number – fractions (including decimals and percentages) | 10 | Percentages | 7 | Percentages of an amount                       | solve problems involving the calculation of percentages [for example, of measures, and such as 15% of 360] and the use of percentages for comparison |
| 6 | 6B | Number – fractions (including decimals and percentages) | 10 | Percentages | 8 | Percentages (missing values)                   | recall and use equivalences between simple fractions, decimals and percentages, including in different contexts                                      |

|   |    |             |    |                                      |   |                                       |  |
|---|----|-------------|----|--------------------------------------|---|---------------------------------------|--|
| 6 | 6B | Measurement | 11 | Measure – perimeter, area and volume | 1 | Shapes – same area                    | recognise that shapes with the same areas can have different perimeters and vice versa |
| 6 | 6B | Measurement | 11 | Measure – perimeter, area and volume | 2 | Area and perimeter                    | recognise that shapes with the same areas can have different perimeters and vice versa |
| 6 | 6B | Measurement | 11 | Measure – perimeter, area and volume | 3 | Area and perimeter – missing lengths  | recognise that shapes with the same areas can have different perimeters and vice versa |
| 6 | 6B | Measurement | 11 | Measure – perimeter, area and volume | 4 | Area of a triangle – counting squares | calculate the area of parallelograms and triangles                                     |
| 6 | 6B | Measurement | 11 | Measure – perimeter, area and volume | 5 | Area of a right-angled triangle       | calculate the area of parallelograms and triangles                                     |
| 6 | 6B | Measurement | 11 | Measure – perimeter, area and volume | 6 | Area of any triangle                  | calculate the area of parallelograms and triangles                                     |
| 6 | 6B | Measurement | 11 | Measure – perimeter, area and volume | 7 | Area of a parallelogram               | recognise when it is possible to use formulae for area and volume of shapes            |
| 6 | 6B | Measurement | 11 | Measure – perimeter, area and volume | 8 | Problem solving – area                | calculate the area of parallelograms and triangles                                     |
| 6 | 6B | Measurement | 11 | Measure – perimeter, area and volume | 9 | Problem solving – perimeter           | recognise that shapes with the same areas can have different perimeters and vice versa |

|   |    |             |    |                                      |    |                       |   |
|---|----|-------------|----|--------------------------------------|----|-----------------------|---|
| 6 | 6B | Measurement | 11 | Measure – perimeter, area and volume | 10 | Volume – count cubes  | calculate, estimate and compare volume of cubes and cuboids using standard units, including cubic centimetres (cm <sup>3</sup> ) and cubic metres (m <sup>3</sup> ), and extending to other units [for example, mm <sup>3</sup> and km <sup>3</sup> ] |
| 6 | 6B | Measurement | 11 | Measure – perimeter, area and volume | 11 | Volume of a cuboid    | calculate, estimate and compare volume of cubes and cuboids using standard units, including cubic centimetres (cm <sup>3</sup> ) and cubic metres (m <sup>3</sup> ), and extending to other units [for example, mm <sup>3</sup> and km <sup>3</sup> ] |
|   |    |             |    |                                      |    |                       |   |
| 6 | 6C | Statistics  | 12 | Statistics                           | 1  | Interpret line graphs | interpret and construct pie charts and line graphs and use these to solve problems  |
| 6 | 6C | Statistics  | 12 | Statistics                           | 2  | Draw line graphs      | interpret and construct pie charts and line graphs and use these to solve problems  |
| 6 | 6C | Statistics  | 12 | Statistics                           | 3  | Advanced bar charts   | interpret and construct pie charts and line graphs and use these to solve problems  |

|   |    |            |    |            |    |                                    |  |
|---|----|------------|----|------------|----|------------------------------------|--|
| 6 | 6C | Statistics | 12 | Statistics | 4  | Understand and complete pie charts | interpret and construct pie charts and line graphs and use these to solve problems |
| 6 | 6C | Statistics | 12 | Statistics | 5  | Read and interpret pie charts      | interpret and construct pie charts and line graphs and use these to solve problems |
| 6 | 6C | Statistics | 12 | Statistics | 6  | Pie charts and fractions (1)       | interpret and construct pie charts and line graphs and use these to solve problems |
| 6 | 6C | Statistics | 12 | Statistics | 7  | Pie charts and fractions (2)       | interpret and construct pie charts and line graphs and use these to solve problems |
| 6 | 6B | Statistics | 12 | Statistics | 8  | Pie charts and percentages         | interpret and construct pie charts and line graphs and use these to solve problems |
| 6 | 6C | Statistics | 12 | Statistics | 9  | Introduction to the mean           | calculate and interpret the mean as an average                                     |
| 6 | 6C | Statistics | 12 | Statistics | 10 | Calculate the mean                 | calculate and interpret the mean as an average                                     |



|   |    |                                |    |                                |    |                                       |  |
|---|----|--------------------------------|----|--------------------------------|----|---------------------------------------|--|
| 6 | 6C | Statistics                     | 12 | Statistics                     | 11 | Problem solving – mean                | calculate and interpret the mean as an average   |
| 6 | 6C | Geometry – properties of shape | 13 | Geometry – properties of shape | 1  | Measure and classify angles           | draw 2D shapes using given dimensions and angles   |
| 6 | 6C | Geometry – properties of shape | 13 | Geometry – properties of shape | 2  | Vertically opposite angles            | recognise angles where they meet at a point, are on a straight line, or are vertically opposite, and find missing angles                                 |
| 6 | 6C | Geometry – properties of shape | 13 | Geometry – properties of shape | 3  | Angles in a triangle                  | compare and classify geometric shapes based on their properties and sizes and find unknown angles in any triangles, quadrilaterals, and regular polygons |
| 6 | 6C | Geometry – properties of shape | 13 | Geometry – properties of shape | 4  | Angles in a triangle – special cases  | compare and classify geometric shapes based on their properties and sizes and find unknown angles in any triangles, quadrilaterals, and regular polygons |
| 6 | 6C | Geometry – properties of shape | 13 | Geometry – properties of shape | 5  | Angles in a triangle – missing angles | compare and classify geometric shapes based on their properties and sizes and find unknown angles in any triangles, quadrilaterals, and regular polygons |

|   |    |                                |    |                                |    |                          |  |
|---|----|--------------------------------|----|--------------------------------|----|--------------------------|--|
| 6 | 6C | Geometry – properties of shape | 13 | Geometry – properties of shape | 6  | Angles in quadrilaterals | compare and classify geometric shapes based on their properties and sizes and find unknown angles in any triangles, quadrilaterals, and regular polygons |
| 6 | 6C | Geometry – properties of shape | 13 | Geometry – properties of shape | 7  | Angles in polygons       | compare and classify geometric shapes based on their properties and sizes and find unknown angles in any triangles, quadrilaterals, and regular polygons |
| 6 | 6C | Geometry – properties of shape | 13 | Geometry – properties of shape | 8  | Circles                  | illustrate and name parts of circles, including radius, diameter and circumference and know that the diameter is twice the radius                        |
| 6 | 6C | Geometry – properties of shape | 13 | Geometry – properties of shape | 9  | Parts of a circle        | illustrate and name parts of circles, including radius, diameter and circumference and know that the diameter is twice the radius                        |
| 6 | 6C | Geometry – properties of shape | 13 | Geometry – properties of shape | 10 | Draw shapes accurately   | draw 2D shapes using given dimensions and angles   |
| 6 | 6C | Geometry – properties of shape | 13 | Geometry – properties of shape | 11 | Nets of 3D shapes (1)    | recognise, describe and build simple 3D shapes, including making nets  |
| 6 | 6C | Geometry – properties of shape | 13 | Geometry – properties of shape | 12 | Nets of 3D shapes (2)    | recognise, describe and build simple 3D shapes, including making nets  |

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|---|----|---|----|-----------------------------------|---|--|--|
| 6 | 6C | Geometry – position and direction                           | 14 | Geometry – position and direction | 1 | The first quadrant                     | describe positions on the full coordinate grid (all four quadrants)                    |
| 6 | 6C | Geometry – position and direction                           | 14 | Geometry – position and direction | 2 | Read and plot points in four quadrants | describe positions on the full coordinate grid (all four quadrants)                    |
| 6 | 6C | Geometry – position and direction                           | 14 | Geometry – position and direction | 3 | Solve problems with coordinates        | describe positions on the full coordinate grid (all four quadrants)                    |
| 6 | 6C | Geometry – position and direction                           | 14 | Geometry – position and direction | 4 | Translations                           | draw and translate simple shapes on the coordinate plane, and reflect them in the axes |
| 6 | 6C | Geometry – position and direction                           | 14 | Geometry – position and direction | 5 | Reflections                            | draw and translate simple shapes on the coordinate plane, and reflect them in the axes |
| 6 | 6C | Number – addition, subtraction, multiplication and division | 15 | Problem solving                   | 1 | Problem solving – place value          | Solve number and practical problems that involve all of the above                      |
| 6 | 6C | Number – addition, subtraction, multiplication and division | 15 | Problem solving                   | 2 | Problem solving – negative numbers     | Solve number and practical problems that involve all of the above                      |

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| 6 | 6C | Number – addition, subtraction, multiplication and division | 15 | Problem solving | 3 | Problem solving – addition and subtraction | use estimation to check answers to calculations and determine, in the context of a problem, an appropriate degree of accuracy |
| 6 | 6C | Number – addition, subtraction, multiplication and division | 15 | Problem solving | 4 | Problem solving – four operations (1)      | solve problems involving addition, subtraction, multiplication and division   |
| 6 | 6C | Number – addition, subtraction, multiplication and division | 15 | Problem solving | 5 | Problem solving – four operations (2)      | solve problems involving addition, subtraction, multiplication and division   |
| 6 | 6C | Number – addition, subtraction, multiplication and division | 15 | Problem solving | 6 | Problem solving – fractions                | recall and use equivalences between simple fractions, decimals and percentages, including in different contexts               |
| 6 | 6C | Number – addition, subtraction, multiplication and division | 15 | Problem solving | 7 | Problem solving – decimals                 | recall and use equivalences between simple fractions, decimals and percentages, including in different contexts               |
| 6 | 6C | Number – addition, subtraction, multiplication and division | 15 | Problem solving | 8 | Problem solving – percentages              | recall and use equivalences between simple fractions, decimals and percentages, including in different contexts               |

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| 6 | 6C | Number – addition, subtraction, multiplication and division | 15 | Problem solving | 9  | Problem solving – ratio and proportion     | solve problems involving unequal sharing and grouping using knowledge of fractions and multiples  |
| 6 | 6C | Number – addition, subtraction, multiplication and division | 15 | Problem solving | 10 | Problem solving – time (1)                 | use, read, write and convert between standard units, converting measurements of length, mass, volume and time from a smaller unit of measure to a larger unit, and vice versa, using decimal notation to up to three decimal places |
| 6 | 6C | Number – addition, subtraction, multiplication and division | 15 | Problem solving | 11 | Problem solving – time (2)                 | use, read, write and convert between standard units, converting measurements of length, mass, volume and time from a smaller unit of measure to a larger unit, and vice versa, using decimal notation to up to three decimal places |
| 6 | 6C | Number – addition, subtraction, multiplication and division | 15 | Problem solving | 12 | Problem solving – position and direction   | describe positions on the full coordinate grid (all four quadrants)   |
| 6 | 6C | Number – addition, subtraction, multiplication and division | 15 | Problem solving | 13 | Problem solving – properties of shapes (1) | recognise angles where they meet at a point, are on a straight line, or are vertically opposite, and find missing angles  |

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|---|----|---|----|-----------------|----|--|--|
|   |    |   |    |                 |    |  |  |
| 6 | 6C | Number – addition, subtraction, multiplication and division | 15 | Problem solving | 14 | Problem solving – properties of shapes (2) | recognise angles where they meet at a point, are on a straight line, or are vertically opposite, and find missing angles |
|   |    |   |    |                 |    |  |  |

