



| Strand  | Unit of Learning              | Lesson  | NC 1   | NC 2 | NC 3 |
|---|-------------------------------|---|--|------|------|
| Number - number and place value                             | Place value within 10,000,000 | Numbers to 1,000,000  | Read, write, order and compare numbers up to 10,000,000 and determine the value of each digit                        |      |      |
| Number - number and place value                             | Place value within 10,000,000 | Numbers to 10,000,000 (1)   | Read, write, order and compare numbers up to 10,000,000 and determine the value of each digit                        |      |      |
| Number - number and place value                             | Place value within 10,000,000 | Numbers to 10,000,000 (2)   | Solve number and practical problems that involve all of the above  |      |      |
| Number - number and place value                             | Place value within 10,000,000 | Number line to 10,000,000   | Read, write, order and compare numbers up to 10,000,000 and determine the value of each digit                        |      |      |
| Number - number and place value                             | Place value within 10,000,000 | Comparing and ordering numbers to 10,000,000                            | Read, write, order and compare numbers up to 10,000,000 and determine the value of each digit                        |      |      |
| Number - number and place value                             | Place value within 10,000,000 | Rounding numbers  | Round any whole number to a required degree of accuracy  |      |      |
| Number - number and place value                             | Place value within 10,000,000 | Negative numbers  | Use negative numbers in context, and calculate intervals across zero   |      |      |
| Number - addition, subtraction, multiplication and division | Four operations (1)           | Problem solving - using written methods of addition and subtraction (1) | Solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why |      |      |

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|---|---------------------|---|--|--|--|
| Number - addition, subtraction, multiplication and division | Four operations (1) | Problem solving - using written methods of addition and subtraction (2) | Solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why   |  |  |
| Number - addition, subtraction, multiplication and division | Four operations (1) | Multiplying numbers up to 4 digits 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   |  |  |
| Number - addition, subtraction, multiplication and division | Four operations (1) | Multiplying numbers up to 4 digits 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   |  |  |
| Number - addition, subtraction, multiplication and division | Four operations (1) | Dividing numbers up to 4 digits by a 2-digit number (1)                 | 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  |  |  |
| Number - addition, subtraction, multiplication and division | Four operations (1) | Dividing numbers up to 4 digits by a 2-digit number (2)                 | 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  |  |  |
| Number - addition, subtraction, multiplication and division | Four operations (1) | Dividing numbers up to 4 digits by a 2-digit number (3)                 | Divide numbers up to 4 digits by a two-digit whole number using the formal written method of long division, and interpret remainders as whole number remainders, fractions, or by rounding, as appropriate for the context |  |  |
| Number - addition, subtraction, multiplication and division | Four operations (1) | Dividing numbers up to 4 digits by a 2-digit number (4)                 | Divide numbers up to 4 digits by a two-digit whole number using the formal written method of long division, and interpret remainders as whole number remainders, fractions, or by rounding, as appropriate for the context |  |  |
| Number - addition, subtraction, multiplication and division | Four operations (1) | Dividing numbers up to 4 digits by a 2-digit number (5)                 | Divide numbers up to 4 digits by a two-digit whole number using the formal written method of long division, and interpret remainders as whole number remainders, fractions, or by rounding, as appropriate for the context |  |  |
| Number - addition, subtraction, multiplication and division | Four operations (1) | Dividing numbers up to 4 digits by a 2-digit number (6)                 | Divide numbers up to 4 digits by a two-digit whole number using the formal written method of long division, and interpret remainders as whole number remainders, fractions, or by rounding, as appropriate for the context |  |  |
| Number - addition, subtraction, multiplication and division | Four operations (2) | Common factors  | Identify common factors, common multiples and prime numbers  |  |  |
| Number - addition, subtraction, multiplication and division | Four operations (2) | Common multiples  | Identify common factors, common multiples and prime numbers  |  |  |
| Number - addition, subtraction, multiplication and division | Four operations (2) | Recognising prime numbers up to 100                                     | Identify common factors, common multiples and prime numbers  |  |  |

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|---|---------------------|--------------------------------------|---|--|--|
| Number - multiplication and division                        | Four operations (2) | Squares and cubes                    | Recognise and use square numbers and cube numbers, and the notation for squared (2) and cubed (3) (Year 5)          |  |  |
| Number - addition, subtraction, multiplication and division | Four operations (2) | Order of operations                  | Use their knowledge of the order of operations to carry out calculations involving the four operations              |  |  |
| Number - addition, subtraction, multiplication and division | Four operations (2) | Brackets                             | Use their knowledge of the order of operations to carry out calculations involving the four operations              |  |  |
| Number - addition, subtraction, multiplication and division | Four operations (2) | Mental calculations (1)              | Perform mental calculations, including with mixed operations and large numbers                                      |  |  |
| Number - addition, subtraction, multiplication and division | Four operations (2) | Mental calculations (2)              | Perform mental calculations, including with mixed operations and large numbers                                      |  |  |
| Number - addition, subtraction, multiplication and division | Four operations (2) | Reasoning from known facts           | Use their knowledge of the order of operations to carry out calculations involving the four operations              | Solve problems involving addition, subtraction, multiplication and division                                  |  |
| Number - fractions  | Fractions (1)       | Simplifying fractions (1)            | Use common factors to simplify fractions; use common multiples to express fractions in the same denomination        |  |  |
| Number - fractions  | Fractions (1)       | Simplifying fractions (2)            | Use common factors to simplify fractions; use common multiples to express fractions in the same denomination        | Compare and order fractions, including fractions $> 1$   |  |
| Number - fractions  | Fractions (1)       | Fractions on a number line           | Compare and order fractions, including fractions $> 1$  |  |  |
| Number - fractions  | Fractions (1)       | Comparing and ordering fractions (1) | Compare and order fractions, including fractions $> 1$  | Use common factors to simplify fractions; use common multiples to express fractions in the same denomination |  |
| Number - fractions  | Fractions (1)       | Comparing and ordering fractions (2) | Compare and order fractions, including fractions $> 1$  | Use common factors to simplify fractions; use common multiples to express fractions in the same denomination |  |
| Number - fractions  | Fractions (1)       | Adding and subtracting fractions (1) | Add and subtract fractions with different denominators and mixed numbers, using the concept of equivalent fractions |  |  |
| Number - fractions  | Fractions (1)       | Adding and subtracting fractions (2) | Add and subtract fractions with different denominators and mixed numbers, using the concept of equivalent fractions |  |  |
| Number - fractions  | Fractions (1)       | Adding fractions                     | Add and subtract fractions with different denominators and mixed numbers, using the concept of equivalent fractions |  |  |
| Number - fractions  | Fractions (1)       | Subtracting fractions                | Add and subtract fractions with different denominators and mixed numbers, using the concept of equivalent fractions |  |  |

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| Number - fractions                | Fractions (1)                     | Problem solving - adding and subtracting fractions (1) | Add and subtract fractions with different denominators and mixed numbers, using the concept of equivalent fractions                               |   |  |
| Number - fractions                | Fractions (1)                     | Problem solving - adding and subtracting fractions (2) | Add and subtract fractions with different denominators and mixed numbers, using the concept of equivalent fractions                               |   |  |
| Year 5 - Number - fractions       | Fractions (2)                     | Multiplying a fraction by a whole number               | Multiply proper fractions and mixed numbers by whole numbers, supported by materials and diagrams   |   |  |
| Number - fractions                | Fractions (2)                     | Multiplying a fraction by a fraction (1)               | Multiply simple pairs of proper fractions, writing the answer in its simplest form (for example, $\frac{1}{3} \times \frac{1}{2} = \frac{1}{6}$ ) |   |  |
| Number - fractions                | Fractions (2)                     | Multiplying a fraction by a fraction (2)               | Multiply simple pairs of proper fractions, writing the answer in its simplest form (for example, $\frac{1}{3} \times \frac{1}{2} = \frac{1}{6}$ ) |   |  |
| Number - fractions                | Fractions (2)                     | Dividing a fraction by a whole number (1)              | Divide proper fractions by whole numbers (for example, $\frac{1}{3} \div 2 = \frac{1}{6}$ )   |   |  |
| Number - fractions                | Fractions (2)                     | Dividing a fraction by a whole number (2)              | Divide proper fractions by whole numbers (for example, $\frac{1}{3} \div 2 = \frac{1}{6}$ )   | - - -   |  |
| Number - fractions                | Fractions (2)                     | Dividing a fraction by a whole number (3)              | Divide proper fractions by whole numbers (for example, $\frac{1}{3} \div 2 = \frac{1}{6}$ )   | - - -   |  |
| Number - fractions                | Fractions (2)                     | Four rules with fractions                              | Add and subtract fractions with different denominators and mixed numbers, using the concept of equivalent fractions                               | Multiply simple pairs of proper fractions, writing the answer in its simplest form (for example, $\frac{1}{3} \times \frac{1}{2} = \frac{1}{6}$ ) | Use their knowledge of the order of operations to carry out calculations involving the four operations |
| Number - fractions                | Fractions (2)                     | Calculating fractions of amounts                       | Use written division methods in cases where the answer has up to two decimal places   |   |  |
| Number - fractions                | Fractions (2)                     | Problem solving - fractions of amounts                 | Use written division methods in cases where the answer has up to two decimal places   | - - -   |  |
| Geometry - position and direction | Geometry - position and direction | Plotting coordinates in the first quadrant             | Describe positions on the full coordinate grid (all four quadrants)   |   |  |
| Geometry - position and direction | Geometry - position and direction | Plotting coordinates                                   | Describe positions on the full coordinate grid (all four quadrants)   |   |  |
| Geometry - position and direction | Geometry - position and direction | Plotting translations and reflections                  | Draw and translate simple shapes on the coordinate plane, and reflect them in the axes  |   |  |
| Geometry - position and direction | Geometry - position and direction | Reasoning about shapes with coordinates                | Draw and translate simple shapes on the coordinate plane, and reflect them in the axes  |   |  |

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|---|----------|--|---|---|--|
| Number - fractions (including decimals and percentages) | Decimals | Multiplying 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 |   |  |
| Number - fractions (including decimals and percentages) | Decimals | Dividing by multiples of 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 |   |  |
| Number - fractions (including decimals and percentages) | Decimals | Decimals as fractions                      | Associate a fraction with division and calculate decimal fraction equivalents [for example, 0.375] for a simple fraction [for example, $\frac{3}{8}$ ]                  | 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 |  |
| Number - fractions (including decimals and percentages) | Decimals | Fractions as decimals (1)                  | Associate a fraction with division and calculate decimal fraction equivalents [for example, 0.375] for a simple fraction [for example, $\frac{3}{8}$ ]                  |   |  |
| Number - fractions (including decimals and percentages) | Decimals | Fractions as decimals (2)                  | Associate a fraction with division and calculate decimal fraction equivalents [for example, 0.375] for a simple fraction [for example, $\frac{3}{8}$ ]                  | Use written division methods in cases where the answer has up to two decimal places   |  |

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|---|-------------|--------------------------|--|--|--|
| Number - fractions (including decimals and percentages) | Decimals    | Multiplying decimals (1) | Multiply one-digit numbers with up to two decimal places by whole numbers  |  |  |
| Number - fractions (including decimals and percentages) | Decimals    | Multiplying decimals (2) | Multiply one-digit numbers with up to two decimal places by whole numbers  |  |  |
| Number - fractions (including decimals and percentages) | Decimals    | Dividing decimals (1)    | Associate a fraction with division and calculate decimal fraction equivalents [for example, 0.375] for a simple fraction [for example, $\frac{3}{8}$ ] | Solve problems which require answers to be rounded to specified degrees of accuracy  |  |
| Number - fractions (including decimals and percentages) | Decimals    | Dividing decimals (2)    | Use written division methods in cases where the answer has up to two decimal places  | Solve problems which require answers to be rounded to specified degrees of accuracy  |  |
| Number - fractions (including decimals and percentages) | Percentages | Percentage of (1)        | Recall and use equivalences between simple fractions, decimals and percentages, including in different contexts  | Solve problems involving the calculation of percentages [for example, of measures, and such as 15% of 360] and the use of percentages for comparison |  |
| Number - fractions (including decimals and percentages) | Percentages | Percentage of (2)        | Recall and use equivalences between simple fractions, decimals and percentages, including in different contexts  | Solve problems involving the calculation of percentages [for example, of measures, and such as 15% of 360] and the use of percentages for comparison |  |
| Number - fractions (including decimals and percentages) | Percentages | Percentage of (3)        | Recall and use equivalences between simple fractions, decimals and percentages, including in different contexts  | Multiply simple pairs of proper fractions, writing the answer in its simplest form [for example, $\frac{1}{4} \times \frac{2}{8} = \frac{1}{16}$ ]   | Solve problems involving the calculation of percentages [for example, of measures, and such as 15% of 360] and the use of percentages for comparison |
| Number - fractions (including decimals and percentages) | Percentages | Percentage of (4)        | Recall and use equivalences between simple fractions, decimals and percentages, including in different contexts  | Multiply one-digit numbers with up to two decimal places by whole numbers  | Solve problems involving the calculation of percentages [for example, of measures, and such as 15% of 360] and the use of                            |

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|   |             |  |   |  | percentages for comparison |
| Number - fractions (including decimals and percentages) | Percentages | Finding missing values                             | Recall and use equivalences between simple fractions, decimals and percentages, including in different contexts | Solve problems involving the calculation of percentages [for example, of measures, and such as 15% of 360] and the use of percentages for comparison |                            |
| Number - fractions (including decimals and percentages) | Percentages | Converting fractions to percentages                | Recall and use equivalences between simple fractions, decimals and percentages, including in different contexts |  |                            |
| Number - fractions (including decimals and percentages) | Percentages | Equivalent fractions, decimals and percentages (1) | Recall and use equivalences between simple fractions, decimals and percentages, including in different contexts |  |                            |
| Number - fractions (including decimals and percentages) | Percentages | Equivalent fractions, decimals and percentages (2) | Compare and order fractions, including fractions $> 1$  | Recall and use equivalences between simple fractions, decimals and percentages, including in different contexts                                      |                            |
| Number - fractions (including decimals and percentages) | Percentages | Mixed problem solving                              | Recall and use equivalences between simple fractions, decimals and percentages, including in different contexts | Solve problems which require answers to be rounded to specified degrees of accuracy  |                            |
| Algebra   | Algebra     | Finding a rule (1)                                 | Generate and describe linear number sequences   | Use simple formulae  |                            |
| Algebra   | Algebra     | Finding a rule (2)                                 | Generate and describe linear number sequences   | Use simple formulae  |                            |
| Algebra   | Algebra     | Using a rule (1)                                   | Generate and describe linear number sequences   |  |                            |

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| Algebra     | Algebra                                | Using a rule (2)           | Express missing number problems algebraically   | Generate and describe linear number sequences                    |  |
| Algebra     | Algebra                                | Using a rule (3)           | Express missing number problems algebraically   | Generate and describe linear number sequences                    |  |
| Algebra     | Algebra                                | Formulae                   | Use simple formulae   |  |  |
| Algebra     | Algebra                                | Solving equations (1)      | Express missing number problems algebraically   |  |  |
| Algebra     | Algebra                                | Solving equations (2)      | Express missing number problems algebraically   |  |  |
| Algebra     | Algebra                                | Solving equations (3)      | Express missing number problems algebraically   |  |  |
| Algebra     | Algebra                                | Solving equations (4)      | Find pairs of numbers that satisfy an equation with two unknowns  |  |  |
| Algebra     | Algebra                                | Solving equations (5)      | Enumerate possibilities of combinations of two variables  | Find pairs of numbers that satisfy an equation with two unknowns |  |
| Measurement | Measure - imperial and metric measures | 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 |  |  |
| Measurement | Measure - imperial and metric measures | Converting 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 |  |  |

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| Measurement | Measure - imperial and metric measures | Problem solving - metric measures | Solve problems involving the calculation and conversion of units of measure, using decimal notation up to three decimal places where appropriate  |  |  |
| Measurement | Measure - imperial and metric measures | Miles and km                      | Convert between miles and kilometres  |  |  |
| Measurement | Measure - imperial and metric measures | 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 |  |  |
| Measurement | Measure - perimeter, area and volume   | Shapes with the same area         | Recognise that shapes with the same areas can have different perimeters and vice versa  |  |  |
| Measurement | Measure - perimeter, area and volume   | Area and perimeter (1)            | Recognise that shapes with the same areas can have different perimeters and vice versa  |  |  |
| Measurement | Measure - perimeter, area and volume   | Area and perimeter (2)            | Recognise that shapes with the same areas can have different perimeters and vice versa  |  |  |
| Measurement | Measure - perimeter, area and volume   | Area of a parallelogram           | Recognise when it is possible to use formulae for area and volume of shapes   | Calculate the area of parallelograms and triangles |  |
| Measurement | Measure - perimeter, area and volume   | Area of a triangle (1)            | Calculate the area of parallelograms and triangles  |  |  |

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| Measurement          | Measure - perimeter, area and volume | Area of a triangle (2)      | Calculate the area of parallelograms and triangles  |  |  |
| Measurement          | Measure - perimeter, area and volume | Area of a triangle (3)      | Calculate the area of parallelograms and triangles  |  |  |
| Measurement          | Measure - perimeter, area and volume | Problem solving - area      | Calculate the area of parallelograms and triangles  |  |  |
| Measurement          | Measure - perimeter, area and volume | Problem solving - perimeter | Recognise that shapes with the same areas can have different perimeters and vice versa  |  |  |
| Measurement          | Measure - perimeter, area and volume | Volume of a cuboid (1)      | Calculate, estimate and compare volume of cubes and cuboids using standard units, including cubic centimetres ( $\text{cm}^3$ ) and cubic metres ( $\text{m}^3$ ), and extending to other units [for example, $\text{mm}^3$ and $\text{km}^3$ ] | Recognise when it is possible to use formulae for area and volume of shapes  |  |
| Measurement          | Measure - perimeter, area and volume | Volume of a cuboid (2)      | Calculate, estimate and compare volume of cubes and cuboids using standard units, including cubic centimetres ( $\text{cm}^3$ ) and cubic metres ( $\text{m}^3$ ), and extending to other units [for example, $\text{mm}^3$ and $\text{km}^3$ ] | Recognise when it is possible to use formulae for area and volume of shapes  |  |
| Ratio and proportion | Ratio and proportion                 | Ratio (1)                   | Solve problems involving unequal sharing and grouping using knowledge of fractions and multiples  | Solve problems involving the relative sizes of two quantities where missing values can be found by using integer multiplication and division facts |  |



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| Ratio and proportion | Ratio and proportion | Ratio (2)                                  | Solve problems involving unequal sharing and grouping using knowledge of fractions and multiples | Solve problems involving the relative sizes of two quantities where missing values can be found by using integer multiplication and division facts |  |
| Ratio and proportion | Ratio and proportion | Ratio (3)                                  | Solve problems involving unequal sharing and grouping using knowledge of fractions and multiples | Solve problems involving the relative sizes of two quantities where missing values can be found by using integer multiplication and division facts |  |
| Ratio and proportion | Ratio and proportion | Ratio (4)                                  | Solve problems involving unequal sharing and grouping using knowledge of fractions and multiples | Solve problems involving the relative sizes of two quantities where missing values can be found by using integer multiplication and division facts |  |
| Ratio and proportion | Ratio and proportion | Scale drawings                             | Solve problems involving similar shapes where the scale factor is known or can be found          |  |  |
| Ratio and proportion | Ratio and proportion | Scale factors                              | Solve problems involving similar shapes where the scale factor is known or can be found          |  |  |
| Ratio and proportion | Ratio and proportion | Similar shapes                             | Solve problems involving similar shapes where the scale factor is known or can be found          |  |  |
| Ratio and proportion | Ratio and proportion | Problem solving - ratio and proportion (1) | Solve problems involving unequal sharing and grouping using knowledge of fractions and multiples | Solve problems involving the relative sizes of two quantities where missing values can be found by using integer multiplication and division facts |  |
| Ratio and proportion | Ratio and proportion | Problem solving - ratio and proportion (2) | Solve problems involving unequal sharing and grouping using knowledge of fractions and multiples | Solve problems involving the relative sizes of two quantities where missing values can be found by using integer multiplication and division facts |  |

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|---------------------------------|---------------------------------|-----------------------------|--|--|--|
| Geometry - properties of shapes | Geometry - properties of shapes | Measuring with a protractor | Draw 2-D shapes using given dimensions and angles  |  |  |
| Geometry - properties of shapes | Geometry - properties of shapes | Drawing shapes accurately   | Draw 2-D shapes using given dimensions and angles  |  |  |
| Geometry - properties of shapes | Geometry - properties of shapes | Angles in triangles (1)     | Compare and classify geometric shapes based on their properties and sizes and find unknown angles in any triangles, quadrilaterals, and regular polygons |  |  |
| Geometry - properties of shapes | Geometry - properties of shapes | Angles in triangles (2)     | Compare and classify geometric shapes based on their properties and sizes and find unknown angles in any triangles, quadrilaterals, and regular polygons |  |  |



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|---|---------------------------------|--|--|--|---|
| Geometry - properties of shapes                             | Geometry - properties of shapes | Angles in triangles (3)                    | Compare and classify geometric shapes based on their properties and sizes and find unknown angles in any triangles, quadrilaterals, and regular polygons |  |   |
| Geometry - properties of shapes                             | Geometry - properties of shapes | Angles in polygons (1)                     | Compare and classify geometric shapes based on their properties and sizes and find unknown angles in any triangles, quadrilaterals, and regular polygons |  |   |
| Geometry - properties of shapes                             | Geometry - properties of shapes | Angles in polygons (2)                     | Compare and classify geometric shapes based on their properties and sizes and find unknown angles in any triangles, quadrilaterals, and regular polygons |  |   |
| Geometry - properties of shapes                             | Geometry - properties of shapes | Vertically opposite angles                 | Recognise angles where they meet at a point, are on a straight line, or are vertically opposite, and find missing angles                                 |  |   |
| Geometry - properties of shapes                             | Geometry - properties of shapes | Equal distance                             | Illustrate and name parts of circles, including radius, diameter and circumference and know that the diameter is twice the radius                        |  |   |
| Geometry - properties of shapes                             | Geometry - properties of shapes | Parts of a circle                          | Illustrate and name parts of circles, including radius, diameter and circumference and know that the diameter is twice the radius                        |  |   |
| Geometry - properties of shapes                             | Geometry - properties of shapes | Nets (1)                                   | Recognise, describe and build simple 3-D shapes, including making nets   | Identify 3-D shapes, including cubes and other cuboids, from 2-D representations                                     |   |
| Geometry - properties of shapes                             | Geometry - properties of shapes | Nets (2)                                   | Recognise, describe and build simple 3-D shapes, including making nets   | Identify 3-D shapes, including cubes and other cuboids, from 2-D representations                                     |   |
| Number - number and place value                             | Problem solving                 | Problem solving - place value              | Solve number and practical problems that involve all of the above  |  |   |
| Number - number and place value                             | Problem solving                 | Problem solving - negative numbers         | Solve number and practical problems that involve all of the above  |  |   |
| Number - addition, subtraction, multiplication and division | Problem solving                 | 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                            | Solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why | Solve problems involving addition, subtraction, multiplication and division |

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|---|-----------------|--|---|--|---|
| Number - addition, subtraction, multiplication and division | Problem solving | Problem solving - four operations (1)  | Solve problems involving addition, subtraction, multiplication and division   | Use their knowledge of the order of operations to carry out calculations involving the four operations   | Use estimation to check answers to calculations and determine, in the context of a problem, an appropriate degree of accuracy |
| Number - addition, subtraction, multiplication and division | Problem solving | Problem solving - four operations (2)  | Solve problems involving addition, subtraction, multiplication and division   |  |   |
| Number - fractions (including decimals and percentages)     | Problem solving | Problem solving - fractions            | Recall and use equivalences between simple fractions, decimals and percentages, including in different contexts   |  |   |
| Number - fractions (including decimals and percentages)     | Problem solving | Problem solving - decimals             | Recall and use equivalences between simple fractions, decimals and percentages, including in different contexts   |  |   |
| Number - fractions (including decimals and percentages)     | Problem solving | Problem solving - percentages          | Recall and use equivalences between simple fractions, decimals and percentages, including in different contexts   |  |   |
| Ratio and proportion  | Problem solving | Problem solving - ratio and proportion | Solve problems involving unequal sharing and grouping using knowledge of fractions and multiples  | Solve problems involving the relative sizes of two quantities where missing values can be found by using integer multiplication and division facts |   |
| Measurement   | Problem solving | 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 |  |   |
| Measurement   | Problem solving | 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 |  |   |

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|-----------------------------------|-----------------|--|--|--|--|
| Geometry - position and direction | Problem solving | Problem solving - position and direction   | Describe positions on the full coordinate grid (all four quadrants)  |  |  |
| Geometry - properties of shapes   | Problem solving | 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 | Compare and classify geometric shapes based on their properties and sizes and find unknown angles in any triangles, quadrilaterals, and regular polygons |  |
| Geometry - properties of shapes   | Problem solving | 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 | Compare and classify geometric shapes based on their properties and sizes and find unknown angles in any triangles, quadrilaterals, and regular polygons |  |
| Statistics                        | Statistics      | The mean (1)                               | Calculate and interpret the mean as an average   |  |  |
| Statistics                        | Statistics      | The mean (2)                               | Calculate and interpret the mean as an average   |  |  |
| Statistics                        | Statistics      | The mean (3)                               | Calculate and interpret the mean as an average   |  |  |
| Statistics                        | Statistics      | Introducing pie charts                     | Interpret and construct pie charts and line graphs and use these to solve problems                                       |  |  |
| Statistics                        | Statistics      | Reading and interpreting pie charts        | Interpret and construct pie charts and line graphs and use these to solve problems                                       |  |  |
| Statistics                        | Statistics      | Fractions and pie charts (1)               | Interpret and construct pie charts and line graphs and use these to solve problems                                       |  |  |
| Statistics                        | Statistics      | Fractions and pie charts (2)               | Interpret and construct pie charts and line graphs and use these to solve problems                                       |  |  |
| Statistics                        | Statistics      | Percentages and pie charts                 | Interpret and construct pie charts and line graphs and use these to solve problems                                       | Solve problems involving the calculation of percentages [for example, of measures, and such as 15% of 360] and the use of percentages for comparison     |  |
| Statistics                        | Statistics      | Interpreting line graphs                   | Interpret and construct pie charts and line graphs and use these to solve problems                                       |  |  |
| Statistics                        | Statistics      | Constructing line graphs                   | Interpret and construct pie charts and line graphs and use these to solve problems                                       |  |  |