

Block 1

W1	6.1.1 Read and understand numbers up to 10,000,000	6.1.3 Understand the value of each digit in numbers up to 10,000,000, including decimals to 3 decimal places	6.1.2 Compare and order numbers up to 10,000,000	6.1.6 Multiply and divide whole numbers and decimals by 10, 100 and 1000, using understanding of place value	6.1.8 Round numbers to the nearest tenth, 1, 10, 100, 1000, 10,000, 100,000 and 1,000,000 (revision)
W2	6.1.11 Identify missing negative numbers on number lines with intervals of 1, 2, 5 and 10 (revision)	6.1.13 Calculate with negative numbers using a number line(revision)	Consolidate 6.1 Link to reasoning and problem-solving activities	6.2.1 Use partitioning, compensation and known facts relating to multiples of 10, 100, 1000, etc to add and subtract mentally (revision)	6.2.2 & 6.2.3 Use known multiplication facts to carry out mental multiplication beyond 12x12, including multiplying multiples of 10 and 100 and using the distributive rule (e.g. $18 \times 6 \rightarrow (10 \times 6) + (8 \times 6)$)
W3	6.2.5 Multiply whole numbers up to thousands with 2-digit numbers using a formal written method (revision)	6.2.9 Solve multiplication word problems, choosing a mental or written method (revision)	6.2.11 Divide using formal written method of short division, applying this to 1-digit divisors and 'friendly' 2-digit divisors (e.g. 12, 15, 25, etc)	6.2.20 Divide using formal written method of short division, representing remainders as fractions	6.2.21 Divide using formal written method of short division with decimal quotients
W4	6.2.15 Mentally find 1st, 2nd, 5th and 10th, 20th, 50th, 100th multiple of 2-digit numbers as a precursor to more challenging division e.g. $2 \times 24 = 48$ $5 \times 24 = 120$ $10 \times 24 = 240$ $20 \times 24 = 480$ $50 \times 24 = 1200$ $100 \times 24 = 2400$	6.2.15 Use repeated subtraction of multiples to divide numbers up to 3 digits by 2 digits	6.2.15 Use repeated subtraction of multiples to divide numbers up to 4 digits by 2 digits	6.2.19 Solve division word problems that require interpretation of the a remainder in the answer (round up, round down or create decimals)	Consolidation of 6.2 Link to reasoning and problem-solving activities
W5	6.3.1 Recognise and find factors and multiples of a number; identify which numbers below 100 are prime and know prime numbers up to 20 (revision)	6.3.2 Find the highest common factor of 2 or 3 numbers and the lowest common multiple of 2 or 3 numbers (revision)	6.3.4 Find equivalent fractions (revision)	6.3.7 Simplify fractions (revision)	6.3.7 Compare and order fractions (including mixed numbers) and decimals (revision)
W6	6.3.11 Add and subtract proper and improper fractions (revision)	6.3.12 Add and subtract combinations of mixed numbers, proper fractions and improper fractions	6.3.12 Multiply fractions by whole numbers and other fractions; divide fractions by whole numbers (revision)	Consolidation of 6.3 Link to reasoning and problem-solving activities	6.4.1 & 6.4.2 Find shapes with a different area when perimeter is kept constant and vice versa

Block 2

W1	6.4.4 Understand and use given formulae for the area of rectangles and the volume of cuboids	6.4.10 Find the volume of cuboids, and understand the link between capacity and volume	6.4.7 Find the area of triangles by knowing that every triangle can be visualised as half a rectangle	6.4.5 Find the area of parallelograms by knowing that every parallelogram can be visualised as two parts that form a rectangle	6.4.8 Solve problems using the areas of squares, rectangles, triangles and parallelograms
W2	6.4.12 Solve problems related to perimeter, area and volume	Consolidation of 6.4 Link to reasoning and problem-solving activities	6.5.1 Use the mnemonic 'BODMAS' to calculate in the correct order when brackets and/or multiple operations are present in a calculation	6.5.2 Use 'BODMAS' to solve number problems where the operations and/or brackets are absent and need to be added to make an equation correct	6.5.6 Decide which operation to solve given one-step word problems for all four operations, using a bar model to represent these where appropriate (revision)
W3	6.5.7 Solve multi-step addition and subtraction word problems including those involving measures and money (revision)	6.5.10 Solve multi-step multiplication and division problems, including those involving money and measures (revision)	6.5.10 Solve multi-step problems using all four operations including those involving measures and money (revision)	6.5.14 Use known multiplication facts to multiply multiples of 0.1 and 0.01 by single digit numbers (e.g. $0.6 \times 4 = 2.4$)	6.5.15 Use known multiplication facts to divide multiples of 0.1 and 0.01 by single digit numbers (e.g. $3.6 \div 4 = 0.9$)
W4	6.5.18 Complete formal addition and subtraction written calculations where numbers have been hidden	6.5.18 Complete formal short multiplication and short division written calculations where numbers have been hidden	Consolidation of 6.5 Link to reasoning and problem-solving activities	6.6.1 Recognise and plot coordinates in one quadrant (revision)	6.6.2 & 6.6.3 Recognise and plot coordinates in four quadrants
W5	6.6.2 & 6.6.3 Recognise and plot coordinates in four quadrants	6.6.6 Reflect shapes on a coordinate grid with 4 quadrants, finding the new coordinates of the shape	6.6.6 Translate shapes on a coordinate grid with 4 quadrants, finding the new coordinates of the shape	Consolidation of 6.6 Link to reasoning and problem-solving activities	6.7.1 Find the equivalent fractions, decimals or percentages when given one of them (revision)
W6	6.7.3 Compare and order fractions, decimals and percentages by finding equivalence (revision)	6.7.5 Find the decimal and percentage equivalence for fractions with 8 as the denominator	6.7.6 Compare and order decimals up to 3 decimal places (revision)	6.7.7 Calculate using decimals in the context of money and measures	6.7.8 Multiply fractions by whole numbers and by other fractions, and show how to visualise these in a pictorial form (revision)

Block 3

W1	6.7.11 Divide fractions by whole numbers, visualising this with a pictorial representation	6.7.12 Divide and multiply fractions by whole numbers	Consolidation of 6.7 Link to reasoning and problem-solving activities	6.8.1 Find pairs of numbers that fulfil multiple constraints (e.g. a pair of numbers with a sum of 10 and a product of 21)	6.8.2 Systematically find all the possible combinations of two independent events (e.g. How many outcomes are there when you flip a coin and roll a die, and what are they?)
W2	6.8.3 From a set of given numbers, find numbers that complete an equation	6.8.5 From a set of given numbers, find pairs numbers that complete an equation	6.8.6 Substitute given values into simple algebraic expressions (e.g. $a = 4$; $b = 10$ Find the value of $5a - b$)	6.8.8 Express simple situations using algebraic notation	6.9.1 Convert between units of measurement for length, mass, capacity and time (revision)
W3	6.9.3 Solve measures word problems that require conversion between units of measurement for length, mass, capacity and time (revision)	Consolidation of 6.8 & 6.9 Link to reasoning and problem-solving activities	6.10.4 Give estimates to calculations through appropriate choices for rounding (revision)	6.10.7 Find different percentages of numbers by using common percentages as landmarks (e.g. $21\% \text{ of } 700 \rightarrow$ $10\% \text{ of } 700 = 70$ $1\% \text{ of } 700 = 7$ $70 + 70 + 7 = 147$)	6.10.11 Find the value of multiple items from the value of one item and vice versa, scaling where possible as a shortcut; use this to solve rate problems e.g. 8 pencils cost £3.20 How much would 1 pencil cost? 7 pencils? (revision)
W4	6.10.11 Use a given rate to find various amounts, and use this to solve problems e.g. 250g of butter costs £3. So... 50g costs 60p 100g costs £1.20 1kg costs £12.00 etc (revision)	6.10.14 Visualise ratios using bar models, and use these to share out amounts correctly	6.10.14 Use bar model representations to find missing amounts when the total or one share is given (e.g. Paint is made in a ratio of 3 parts blue paint to 2 parts red paint If there is 15 litres of blue paint, how much paint will there be in total?)	6.10.14 Use proportional reasoning to scale recipes or lists of required components up or down in order to solve problems	6.10.14 Use proportional reasoning to scale recipes or lists of required components up or down in order to solve problems
W5	Consolidation of 6.10 Link to reasoning and problem-solving activities	6.11.3 Interpret simple pie charts with recognisable fractions, and compare information between two pie charts with different totals (revision)	6.11.4 & 6.11.5 Interpret line charts and bar graphs, including finding totals and differences (revision)	6.11.6 Understand that the mean is a type of average that represents a set of data in one number; know that the mean of two numbers is the midpoint between them	6.11.7 & 6.11.8 Calculate means from a set of data & recognise that a single outlier can change a mean greatly
W6	6.11.9 Create data sets that would give a particular mean when given particular constraints (e.g. Four numbers have a mean of 10. None of the numbers are even. What could the four numbers be?)	6.12.3 & 6.12.4 Describe the pattern in linear sequences using a rule and find terms later and earlier in a sequence	Consolidation of 6.11 & 6.12 Link to reasoning and problem-solving activities	6.13.1 Draw and measure acute and obtuse angles (revision)	6.13.1 Draw and measure reflex angles

Block 4

W1	6.13.5 , 6.13.6 & 6.13.7 Understand and use scale factors (e.g. An equilateral triangle with sides of 4cm will have sides of 12cm if enlarged by a scale factor of 3)	6.13.5 , 6.13.6 & 6.13.7 Understand and use scale factors (e.g. An equilateral triangle with sides of 4cm will have sides of 12cm if enlarged by a scale factor of 3)	6.14.1 Know that the angles around a point total 360° , and use this to find missing angles when one or more are given	6.14.2 Know that angles around a point on a straight line total 180° , and use this to find missing angles when one or more are given	6.14.3 Know that opposite angles are equal; use this and knowledge about right angles, angles around a point on a straight line and angles around a point to solve angle problems
W2	6.14.4 Use knowledge of angles to find missing angles in various situations	6.14.8 Understand that the radius is the length from the centre of a circle to its edge, that the diameter is twice the radius and that circumference is the perimeter of a circle	Consolidation of 6.13 & 6.14 Link to reasoning and problem-solving activities	Consolidation of 6.13 & 6.14 Link to reasoning and problem-solving activities	6.1.3 Divide powers of 10 into 2, 4, 5 or 10 equal parts and read scales and number lines with intervals labelled divided into 2, 4, 5 or 10 equal parts of powers of 10
W3	6.1.3 Divide powers of 10 into 2, 4, 5 or 10 equal parts and read scales and number lines with intervals labelled divided into 2, 4, 5 or 10 equal parts of powers of 10	Use a given additive relationship to derive related equations (e.g. given $944+477=1421$, solve this: $142.1 - 94.4 = \underline{\quad}$)	Use a given multiplicative relationship to derive related equations (e.g. given $346 \times 7 = 2422$, solve this: $24220 \div 7 = \underline{\quad}$)	Revision for SATS based on formative assessment / practice papers	Revision for SATS based on formative assessment / practice papers
W4	Revision for SATS based on formative assessment / practice papers	Revision for SATS based on formative assessment / practice papers	Revision for SATS based on formative assessment / practice papers	Revision for SATS based on formative assessment / practice papers	Revision for SATS based on formative assessment / practice papers
W5	Revision for SATS based on formative assessment / practice papers	Revision for SATS based on formative assessment / practice papers	Revision for SATS based on formative assessment / practice papers	Revision for SATS based on formative assessment / practice papers	Revision for SATS based on formative assessment / practice papers
W6	Revision for SATS based on formative assessment / practice papers	Revision for SATS based on formative assessment / practice papers	Revision for SATS based on formative assessment / practice papers	Revision for SATS based on formative assessment / practice papers	Revision for SATS based on formative assessment / practice papers

Block 6

W1	Maths and my world - money, utilities, mileage, maps, etc
W2	Maths and my world - money, utilities, mileage, maps, etc
W3	Maths and my world - money, utilities, mileage, maps, etc
W4	Thinking mathematically and solving problems - conjecturing, specialising, generalising, reflecting and communicating
W5	Thinking mathematically and solving problems - conjecturing, specialising, generalising, reflecting and communicating
W6	Thinking mathematically and solving problems - conjecturing, specialising, generalising, reflecting and communicating

Arithmetic

Fractions

Geometry

Measures & Time

Properties of number and place value

Statistics