

Year 6 - Autumn	Week 1 – 2	Week 3-7	Week 8 -11	Week 12
Unit	Place Value	Addition and Subtraction, Multiplication and Division	Fractions A & B	Converting Units
National Curriculum Links	Read, write, order and compare numbers up to 10,000,000 and determine the value of each digit. Solve number and practical problems that involve all of the above.	Solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why. Identify common factors, common multiples and prime numbers.	Use common factors to simplify fractions; use common multiples to express fractions in the same denomination. Multiply proper fractions and mixed numbers by whole numbers, supported by materials and diagram	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 3 decimal places convert between miles and kilometres
Key Vocabulary	ones (1s), tens (10s), hundreds (100s), thousands (1,000s), ten thousands (10,000s), hundred thousands (100,000s), millions (1,000,000s), ten million (10,000,000) place value partition/partitioned/partitioning interval estimate compare/comparison/comparing order/ordering less than (<), equal to (=) rounding/rounded/round up/round down/rounds negative, positive odd, even accurate/accurately, exactly, approximately	add, subtract, sum, total, difference method, column, columnar multiply, multiplication, product, approximation divide, division, short division, long division factor, multiple, divisor, dividend, remainder inverse grid method fraction, simplify, numerator, denominator, factor, common factor multiple, common multiple prime squared (x2), cubed (x3) order of operations, brackets inverse operation	whole, part numerator, denominator, common denominator equivalent simplify, simplest form factor, highest common factor, lowest common multiple compare order, ascending, descending less than, greater than proper fraction, improper fraction mixed number convert	

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Year 6 - Spring	Week 1-2	Week 3-4	Week 5-6	Week 7-8	Week 9-10	Week 11-12
Unit	Ratio	Algebra	Decimals	Fractions, Decimals & Percentages	Measurement – Area, Perimeter and Volume	Statistics
National Curriculum Links	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.	Generate and describe linear number sequences. Use simple formulae.	Identify the value of each digit in numbers given to three decimal places and multiply and divide numbers by 10, 100 and 1,000 giving answers up to three decimal places.	recall and use equivalences between simple fractions, decimals and percentages, including in different contexts	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. Recognise that shapes with the same areas can have different perimeters and vice versa.	Calculate and interpret the mean as an average.
Key Vocabulary	ratio, ratio notation, 1 : 2 proportion part, whole, total group fraction unequal,	pattern, growing pattern sequence rule term algebra, algebraic expression formula,	multiply (×), divide (÷) decimal placeholder place value, tenths, hundredths, thousandths factor, multiple, product group, share numerator, denominator convert, simplify, equivalent	per cent (%) percentage part whole decimal fraction divide share multiply convert compare order equivalent fraction simplify less than ()	units (of measure/ment), metric, imperial, length, mass, volume, capacity, distance measure, convert, equal, equivalent, approximate, smaller (unit), larger (unit), for every, ratio millimetres (mm),	average, mean, set, share pie chart, segment, whole, section, degree, angle, right angle tally chart, bar chart fraction, percentage line graph, axis/axes, estimate, accurate, interpret, increase, above, below, zero (0),

	equal simplest form, simplify for every x there are y similar enlarge, enlargement scale, map scale, scale factor	formulae substitute generalise operation calculation, calculate equation inverse solution represent value	divisor, dividend, quotient, remainder		centimetres (cm), metres (m), kilometres (km), grams (g), kilograms (kg), millilitres (ml), litres (l) inches (in), feet (), ounces (oz), pounds (lbs), pints, miles, gallons, yards digits, decimal conversion table, conversion graph, perimeter, distance, area, space, volume	value, x-axis, y-axis, minus (–) , between, plot, point, vertical, horizontal, construct, convert/conversion, straight, equivalent, predict, curve more, equal, even, size, total, share, great(er/est), calculate, divide, highest, compare, lowest, group, data, represent, balance, odd, different/difference, least, inverse, operation, advantages, disadvantages, largest, half, scale, quarter, frequency, smallest, part, same, more, category, results, exact
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Year 6 - Summer	Week 1-3	Week 4	
Unit	Properties of Shape	Position and Direction	Consolidation, Problem Solving and themed projects

National Curriculum Links	Draw 2D shapes using given dimensions and angles.	describe positions on the full coordinate grid (all 4 quadrants) draw and translate simple shapes on the coordinate plane, and reflect them in the axes	
Key Vocabulary	degrees, measurement, length angle, obtuse, acute, reflex, right angle, interior protractor, baseline, crosshairs, scale vertex, edge, face parallel properties triangle, isosceles, equilateral, scalene regular, polygon, quadrilateral, parallelogram, kite, rhombus, trapezium diameter, radius, circumference, concentric, centre perimeter pyramid, tetrahedron, cylinder, prism, cuboid, cube	Translate, translation, reflect, up, down, right, left, coordinates, quadrant, x-axis, y-axis, horizontal, vertical.	