

Year 5 - Autumn	Week 1 – 3	Week 4 – 5	Week 6-8	Week 9-12
Unit	Place Value	Number, Addition and Subtraction	Multiplication & Division A	Fractions A
National Curriculum Links Read, write, order and compare numbers to at least 1,000,000 and determine the value of each digit. Count forwards or backwards in steps of powers of 10 for any given number up to 1,000,000.		Add and subtract whole numbers with more than 4 digits, including using formal written methods (columnar addition and subtraction).	Identify multiples and factors, including finding all factor pairs of a number, and common factors of two numbers. Solve problems involving multiplication and division including using their knowledge of factors and multiples, squares and cubes.	Identify, name and write equivalent fractions of a given fraction, represented visually, including tenths and hundredths Add and subtract fractions with the same denominator and denominators that are multiples of the same number. Multiply proper fractions and mixed numbers by whole numbers, supported by materials and diagrams. 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, $2\frac{5}{5} + 4\frac{5}{5} = 6\frac{5}{5} = 1\frac{1}{5}$]
Key Vocabulary	ones (1s), tens (10s), hundreds (100s), thousands (1,000s), ten thousands (10,000s) place value, position partition, equivalent estimate, closer to, between round next multiple, previous multiple, nearest multiple of 10, 100, 1,000 or 10,000 compare, order, greater than ($>$), less than ($<$)	add, subtract 1s (ones), 10s (tens), 100s (hundreds), 1,000s (thousands), 10,000s (ten thousands) total difference inverse round mentally estimate	multiple factor prime number composite number square ($\times 2$) cube ($\times 3$) multiply, multiplication, times divide, division inverse operation place value ones, tens, hundreds, thousands, tens of thousands	equivalent numerator, denominator whole, part, fraction simplify, expand multiply ($\times$), divide ($\div$), multiplication, division, multiple, factor remainder improper, mixed number convert greater than ($>$), less than, add, sum, total, subtract, difference, common denominator simplify, convert proper fraction, improper fraction, mixed number method, multi-step

Year 5 - Spring	Week 1 – 3	Week 4 –5	Week 6-8	Week 9-10	Week 11-12
Unit	Multiplication and Division B	Fractions B	Decimals and Percentages	Perimeter and Area	Statistics
National Curriculum Links	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.	Identify, name and write equivalent fractions of a given fraction, represented visually, including tenths and hundredths Add and subtract fractions with the same denominator and denominators that are multiples of the same number. Multiply proper fractions and mixed numbers by whole numbers, supported by materials and diagrams. 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, $2\frac{5}{5} + 4\frac{5}{5} = 6\frac{5}{5} = 1\frac{1}{5}$]	Read, write, order and compare numbers with up to three decimal places.	Measure and calculate the perimeter of composite rectilinear shapes in centimetres and metres	Complete, read and interpret information in tables, including timetables.
Key Vocabulary	total, partition, multiply, short multiplication, grid, method, column, represent, bar model, place value, repeated addition, lots of	equivalent numerator, denominator whole, part, fraction simplify, expand multiply ($\times$), divide ($\div$), multiplication, division, multiple, factor remainder improper, mixed number convert greater than ($>$), less than, add, sum, total, subtract, difference, common denominator simplify, convert proper fraction,	Decimal place tenths hundredths thousandths decimal point place value digits fractions per cent (%) rounding improper fractions mixed numbers convert exchange	perimeter, distance, area, space scale, actual area/actual size, convert centimetres (cm), metres (m), square centimetres (cm ²), square metres (m ²) rectangle, square, rectilinear	line graph, dual line graph horizontal axis, vertical axis, axes, scale data, information read, interpret, complete table, two-way table.

		improper fraction, mixed number method, multi-step		shape, sides, length, width measure, combine, brackets, total, double, estimate, array	
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Year 5 - Summer	Week 1 -3	Week 4-5	Week 6-8	Week 9	Week 10-11	Week 12
Unit	Shape	Position and Direction	Decimals	Number – Negative Numbers	Measurement – Converting Units	Volume & Capacity
National Curriculum Links	Identify: – angles at a point and one whole turn (total 360°) – angles at a point on a straight line and 1 2 a turn (total 180°) – other multiples of 90°. Know angles are measured in degrees: estimate and compare acute, obtuse and reflex angles. Use the properties of rectangles to deduce related facts and find missing lengths and angles. Identify: – angles at a point and one whole turn (total 360°) – angles at a point on a straight line	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	Solve problems involving number up to three decimal places.	interpret negative numbers in context, count forwards and backwards with positive and negative whole numbers, including through zero	Convert between different units of metric measure (for example, kilometre and metre; centimetre and metre; centimetre and millimetre; gram and kilogram; litre and millilitre).	Estimate volume [for example, using 1 cm³ blocks to build cuboids (including cubes)] and capacity for example, using water.

	and 1 2 a turn (total 180°) – other multiples of 90°.					
Key Vocabulary	parallel perpendicular angle, right angle, interior angle grid regular, irregular polygon, quadrilateral 2D, 3D viewpoint angle, turn whole turn, half turn, quarter turn acute angle, right angle, obtuse angle, refl ex angle degrees (°) 90 degrees 180 degrees, 360 degrees interior angle protractor	reflection, translation mirror line coordinate, horizontal coordinate, vertical coordinate horizontal axis, vertical axis	add, subtract, multiply, divide ones, tenths, hundredths, thousandths di erence, group, share, compare, represent decimal, decimal point, decimal place, digit column, place value, exchange mass, weight, length, width, cost, height	Decimal, negative, order, divide, positive, integer, multiply, place value.	mass, capacity, length, time, quantity metric units, gram, kilogram, millilitre, litre, millimetre, centimetre, metre, kilometre imperial units, ounce (oz), pound (lb), stone (st), pint (pt), gallon, inch (in), foot (), yard (yd) second, minute, hour, day, week, month, year convert, equal to, equivalent, approximately, per, measure, remainder, multiple timetable, 24-hour, digital, duration	volume, capacity, solid, liquid, container cube, cuboid, triangular, prism 3D shapes, objects calculate, estimate, compare, count, accurately, order, amount, irregular, prediction, exact unit (cm) cubes, units of measurement, measure less, more, less than (), largest, smallest, least, greatest, equal space inside height, length, width, size, tall layer, slice multiple, total, take away, whole, part, almost half, identical litre (l), millilitre (ml)