#### Year 1 Maths Yearly Overview

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	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2 Ponchu
Week 1	Place Value – recognise the place value of each digit in a three-digit number (hundreds, tens, ones) -compare and order numbers up to 1000	<u>Number -</u> add numbers with up to three digits, using formal written methods of columnar addition estimate the answer to a calculation and	<u>Number –</u> divide using the short method	<u>Fractions -</u> recognise and show, using dia- grams, equivalent fractions with small denomina- tors	<u>Measurement -</u> measure, compare, add and subtract: lengths (m/cm/mm); mass (kg/g); volume/capacity (l/ml)	Measurement - know the seconds in a minute and the number of days in each month, year and leap year compare durations of events [for exam- ple to calculate the time taken by par- ticular events or tasks].
Week 2	<u>Place Value</u> – recognise the place value of each digit in a three-digit number (hundreds, tens, ones) -compare and order numbers up to 1000	<u>Number -</u> add numbers with up to three digits, us- ing formal written methods of columnar addition solve problems, including missing num- ber problems, using number facts, place value, and more complex addition	<u>Number</u> solve problems, including missing number problems, involving multi- plication and division, including positive integer scaling problems and correspond- ence problems in which n objects are connected to m objects.	<u>Fractions -</u> compare and order unit fractions, and fractions with the same denominators	<u>Measurement -</u> measure, compare, add and subtract: lengths (m/cm/mm); mass (kg/g); volume/capacity (l/ml)	<u>Geometry -</u> draw 2-D shapes and make 3-D shapes using modelling materials; recognise 3-D shapes in different orientations and describe them
Week 3	<u>Place Value</u> -count from 0 in multiples of 100; -find 10 or 100 more or less than a given number	Number         subtract numbers with up to three digits, using formal written methods of columnar subtraction           estimate the answer to a calculation and use inverse operations to check answers	<u>Fractions -</u> count up and down in tenths; recognise that tenths arise from dividing an object into 10 equal parts and in dividing one-digit numbers or quantities by 10	<u>Measurement</u> add and subtract amounts of money to give change, using both £ and p in practical contexts	<u>Measurement-</u> measure the perimeter of simple 2-D shapes	Geometry - recognise angles as a property of shape or a description of a turn identify right angles, recognise that two right angles make a half-turn, three make three quarters of a turn and four a complete turn; identify whether angles are greater than or less than a right angle
Week 4	Place Value -count from 0 in multiples of 50 and 100; -find 10 or 100 more or less than a given number	<u>Number -</u> subtract numbers with up to three digits, using formal written methods of columnar subtraction solve problems, including missing num- ber problems, using number facts, place	Fractions – recognise, find and write fractions of a dis- crete set of objects: unit fractions and non- unit fractions with small denominators recognise and use fractions as numbers: unit fractions and non-unit fractions with small denominators	<u>Measurement</u> add and subtract amounts of money to give change, using both £ and p in practical contexts	<u>Measurement</u> -tell and write the time from an analogue clock, including using Roman numerals from I to XII, and 12-hour and 24-hour clocks	<u>Geometry -</u> identify horizontal and vertical lines and pairs of perpendic- ular and parallel lines.
Week 5	<u>Place Value/Number</u> -identify, represent and estimate numbers using different representations -read and write numbers up to 1000 in numerals and in words	<u>Number -</u> write and calculate mathematical state- ments for multiplication using the multi- plication tables that they know, including for two-digit numbers times one-digit numbers, using mental and progressing to formal written methods	<u>Fractions -</u> add and subtract fractions with the same denominator	<u>Statistics</u> - interpret and present discrete and continuous data using appropriate graphical methods, including bar charts and time graphs.	<u>Measurement</u> -estimate and read time with increasing accuracy to the nearest minute;	<u>Number -</u> solve addition and sub- traction two-step problems in con- texts, deciding which operations and methods to use and why.
Week 6	Number add and subtract numbers mentally, including: -a three-digit number and ones - a three-digit number and tens - a three-digit number and hundreds	<u>Number -</u> Number – divide using the short method	<u>Fractions</u> - add and subtract f ractions with the same denominator	<u>Statistics -</u> solve comparison, sum and differ- ence problems using information presented in bar charts, pictograms, tables and other graphs.	<u>Measurement</u> -record and compare time in terms of seconds, minutes and hours; use vocabulary such as o'clock, a.m./p.m., morning, afternoon, noon and midnight	<u>Number -</u> solve problems, including missing number problems, using number facts, place value, and more complex subtraction

## Year 2 Maths Yearly Overview

	Autumn 1	Autumn 2	Spring 1	Spring 2	
Week 1	Place Value – recognise the place value of each digit in a two- digit number (10s, 1s) Read and write numbers to at least 100 in numerals and in words	<u>Addition and subtraction</u> - using concrete objects and pictorial representations, including those involving numbers, quantities and measures	<u>Measurement</u> Choose and use appropriate standard units to esti- mate and measure length/height in any direction (m/ cm) mass (kg/g) to the nearest appropriate unit using rulers and scales	<u>Geometry</u> <u>Properties of shape</u> Compare and sort common 2D and 3D shapes and everyday objects	Choose an mate and n appre
		Subtracting 2 two digit numbers Show subtraction of 1 number from another cannot	compare and order lengths and mass and record the results using the < and > and =	Identify the properties of 3D shapes including the number of edges, vertices and faces Assessment	Compare a
Week 2	Place Value – compare and order numbers from 0 up to 100;	Addition and subtraction -	Measurement	Fractions -	
	use <, > and = signs Identify, represent and estimate numbers using different repre- sentations, including the number line	Recognise and use the inverse relationship between addition and subtraction and use this to check calcula- tions and solve missing number problems	Choose and use appropriate standard units to esti- mate and measure length/height in any direction (m/ cm) mass (kg/g) to the nearest appropriate unit using rulers and scales	Recognise, find, name and write fractions 1/3, 1/4, 2/4 and 3/4 of a length, shape, set of objects or quantity	Choose an mate and n appro
		Deriving facts	compare and order lengths and mass and record the results using the < and > and =		Compare a
		Assessment	Assessment		
Week 3	Place Value - count in steps of 2,3, and 5 from 0 and in 10's from any number, forward and backward	Multiplication and division-	<u>Measurement</u>	Fractions	
	Use place value and number facts to solve problems	Solve problems involving multiplication using materials, arrays, repeated addition, mental methods and multipli- cation including problems in contexts	Recognise and use symbols for pounds, (£) and pence (p) combine amounts to make a particular value	Recognise, find, name and write fractions 1/3, 1/4, 2/4 and 3/4 of a length, shape, set of objects or quantity	Com
	Assessment	Calculate mathematical statements for ,multiplication within the multiplication tables and write them using the signs	Find different combinations of coins that equal the same amounts of money	Write simple fractions for example half of 6 is 3 and recognise the equivalence of 2/4 and 1/2	Thow the nu
Week 4	Addition and subtraction-	Multiplication and division-	Measurement	<u>Fractions</u>	
	using concrete objects and pictorial representations, including those involving numbers, quantities and measures - two digit number and 1's -two digit number and 10's	Show that multiplication of 2 numbers can be done in any order (commutative)	Solve simple problems in a practical context involving addition and subration of money of the same unit, including giving change	Write simple fractions for example half of 6 is 3 and recognise the equivalence of 2/4 and 1/2	Tell and we past/to the I
	Show that addition of 2 numbers can be done in any order (commutative)	Recall and use multiplication facts for the 2,5 and 10 multiplication tables		Assessment	
	Applying their increasing knowledge of mental and written methods				
Week 5	Addition and subtraction -	Multiplication and division-	Measurement	Measurement-	Tell and w
	those involving numbers, quantities and measures -2 two digit numbers -adding 3 one digit numbers	Solve problems involving division using materials, ar- rays, repeated addition, mental methods and division including problems in contexts	Solve simple problems in a practical context involving addition and subration of money of the same unit, including giving change	Choose and use standard measures of units to estimate and measure temperature, (degrees c to the nearest appropriate unit) using thermometers	past/to the l
	Show that addition of 2 numbers can be done in any order (commutative)	Calculate mathematical statements for ,division and write them using the signs	Assessment		
	Applying their increasing knowledge of mental and written methods				
Week 6	Addition and subtraction - using concrete objects and pictorial representations, including those involving numbers, quantities and measures two digit number and 1's	Multiplication and division- Show that division of 2 numbers can not be done in any order	<u>Geometry</u> properties of shape Identify and describe the properties of 2D shapes, including the number of sides and line symmetry in a		Order and an
	Show subtraction of 1 number from another cannot	Recall and use division facts for the 2,5 and 10 multipli-	vertical line		
	Applying their increasing knowledge of mental and written methods	cation tables,	Identify 2D on the surface of 3D shapes		Use mathem tion and mov and disting
			Compare and sort common 2D and 3D shapes and everyday objects		terms of rigi tur



Summer 1	Summer 2 Primary School
<u>Measurement -</u>	<u>Statistics</u>
nd use appropriate standard of units to esti- measure capacity (litres, ml) to the nearest	interpret and construct simple picto-
opriate unit using measuring vessels	grams, tally charts, block diagrams
	and simple tables
and order volume/capacity and record the	
results using < > and =	
Measurement -	Statistics
nd use appropriate standard of units to esti-	ask and answer simple questions by
neasure capacity (litres, ml) to the nearest	counting the number of objects in
ophate unit using measuring vessels	each category and sorting the cate-
and and as values (consists, and second the	gories by quantity
results using < > and =	
	ask and answer questions about
Assessment	totalling and comparing categorical
Measurement-	data.
npare and sequence intervals of time	
· · ·	
umber of minutes in an hour and the number	
of hours in a day	
Measurement	
rite the time to 5 minutes including quarter	
hour and draw the hands on a clock face to show these times	
Measurement	
rite the time to 5 minutes including quarter	
show these times	
Assessment	
Geometry	
Position and direction	
rrange combinations of mathematical objects	
in patiente and sequences	
natical vocabulary to describe position, direc-	
vement including movement in a straight line	
guishing between rotation as a turn and in ht angles for quarter, half and three quarter	
rns (clockwise and anti clockwise)	

#### Year 3 Maths Yearly Overview

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Week 1	Place Value – recognise the place value of each digit in a three-digit number (hundreds, tens, ones) -compare and order numbers up to 1000	<u>Number -</u> add numbers with up to three digits, using formal written methods of columnar addition estimate the answer to a calcula- tion and use inverse operations to check answers	<u>Number –</u> divide using the short method	<u>Fractions -</u> recognise and show, using diagrams, equivalent fractions with small denominators	<u>Measurement -</u> measure, com- pare, add and subtract: lengths (m/cm/mm); mass (kg/g); volume/capacity (l/ml)	Measurement - know the numb. of seconds in a minute and the number of days in each month, year and leap year compare durations of events [for example to calculate the time taken by particular events or tasks].
Week 2	Place Value – recognise the place value of each digit in a three-digit number (hundreds, tens, ones) -compare and order numbers up to 1000	<u>Number -</u> add numbers with up to three digits, using formal written meth- ods of columnar addition solve problems, including miss- ing number problems, using number facts, place value, and more complex addition	<u>Number</u> solve problems, in- cluding missing number prob- lems, involving multiplication and division, including positive integer scaling problems and correspond- ence problems in which n objects are connected to m objects.	<u>Fractions -</u> compare and order unit fractions, and fractions with the same de- nominators	<u>Measurement -</u> measure, com- pare, add and subtract: lengths (m/cm/mm); mass (kg/g); volume/capacity (l/ml)	<u>Geometry -</u> draw 2-D shapes and make 3-D shapes using modelling materials; recognise 3- D shapes in different orientations and describe them
Week 3	Place Value -count from 0 in multiples of 100; -find 10 or 100 more or less than a given number	Numbersubtract numberswith up to three digits, using formal written methods of columnar subtractionestimate the answer to a calculation and use inverse operations to check answers	<u>Fractions -</u> count up and down in tenths; recognise that tenths arise from dividing an object into 10 equal parts and in dividing one -digit numbers or quantities by 10	<u>Measurement</u> add and subtract amounts of money to give change, using both £ and p in practical contexts	<u>Measurement-</u> measure the perimeter of simple 2-D shapes	<u>Geometry</u> - recognise angles as a property of shape or a descrip- tion of a turn identify right angles, recognise that two right angles make a half- turn, three make three quarters of a turn and four a complete turn; identify whether angles are greater than or less than a right angle
Week 4	<u>Place Value</u> -count from 0 in multiples of 50 and 100; -find 10 or 100 more or less than a given number	<u>Number -</u> subtract numbers with up to three digits, using formal written methods of columnar subtraction solve problems, including miss- ing number problems, using number facts, place value, and more complex subtraction	<u>Fractions -</u> recognise, find and write fractions of a discrete set of objects: unit frac- tions and non-unit fractions with small denominators recognise and use fractions as num- bers: unit fractions and non-unit fractions with small denominators	<u>Measurement</u> add and subtract amounts of money to give change, using both £ and p in practical contexts	<u>Measurement</u> -tell and write the time from an analogue clock, including using Roman numerals from I to XII, and 12-hour and 24- hour clocks	<u>Geometry -</u> identify horizontal and vertical lines and pairs of perpendicular and parallel lines.
Week 5	Place Value/Number -identify, represent and estimate numbers using different representations -read and write numbers up to 1000 in numerals and in words	Number - Write and calculate mathematical statements for multiplication using the multiplication tables that they know, including for two- digit numbers times one-digit numbers, using mental and pro- gressing to formal written meth- ods	Fractions - add and subtract fractions with the same denomi- nator	<u>Statistics</u> - interpret and present discrete and continuous data using appropriate graphical methods, including bar charts and time graphs.	Measurement -estimate and read time with increasing accura- cy to the nearest minute;	<u>Number -</u> solve addition and subtraction two-step problems in contexts, deciding which operations and methods to use and why.
Week 6	Number add and subtract numbers mental- ly, including: -a three-digit number and ones - a three-digit number and tens - a three-digit number and hun- dreds	<u>Number -</u> Number – divide using the short method	<u>Fractions -</u> add and subtract f ractions with the same denomina- tor	<u>Statistics -</u> solve comparison, sum and difference problems using information presented in bar charts, pictograms, tables and other graphs.	<u>Measurement</u> -record and compare time in terms of sec- onds, minutes and hours; use vocabulary such as o'clock, a.m./p.m., morning, after- noon, noon and midnight	<u>Number -</u> solve problems, in- cluding missing number prob- lems, using number facts, place value, and more complex sub- traction

# Year 4 Maths Yearly Overview

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Week 1	Place Value – recognise the place value of each digit in a four -digit number - order and com- pare numbers beyond 1000	<u>Number -</u> add numbers with up to 4 digits using the formal writ- ten methods - solve addition two- step problems in contexts.	<u>Number –</u> divide using the short method	<u>Fractions -</u> count up and down in hundredths - compare num- bers with the same number of decimal places up to two decimal places	<u>Measurement -</u> read, write and convert time between analogue and digital 12- and 24-hour clocks	<u>Geometry -</u> describe positions on a 2-D grid as coordinates in the first quadrant - describe movements between positions as translations of a giv- en unit to the left/right and up/down
Week 2	<u>Place Value</u> – recognise the place value of each digit in a four -digit number - order and com- pare numbers beyond 1000	<u>Number -</u> subtract numbers with up to 4 digits using the formal written methods - solve subtrac- tion two-step problems in con- texts.	<u>Number –</u> divide using the short method	Fractions - round decimals with one decimal place to the nearest whole num- ber - recognise and write decimal equivalents of any number of tenths or hundredths and half, quarter	<u>Measurement -</u> read, write and convert time between analogue and digital 12- and 24-hour clocks	<u>Geometry</u> - describe move- ments between positions as translations of a given unit to the left/right and up/down - plot specified points and draw sides to com- plete a given polygon.
Week 3	<u>Place Value -</u> find 1000 more or less than a given number - round any number to the nearest 10, 100 or 1000	<u>Number -</u> count backwards through zero to include negative numbers.	Fractions - count up and down in hundredths - compare num- bers with the same number of decimal places up to two decimal places	<u>Number -</u> solve simple meas- ure and money problems involv- ing fractions	Measurement- solve problems involving converting from hours to minutes; minutes to seconds; years to months; weeks to days.	<u>Geometry -</u> compare and clas- sify geometric shapes, including quadrilaterals and triangles, based on their properties and sizes - identify acute and obtuse angles
Week 4	<u>Place Value -</u> find 1000 more or less than a given number - round any number to the nearest 10, 100 or 1000	<u>Number -</u> use place value, known and derived facts to multi- ply mentally	<u>Fractions -</u> round decimals with one decimal place to the nearest whole num- ber - solve simple measure and money problems involving deci- mals to two places.	<u>Number -</u> solve simple meas- ure and money problems involv- ing decimals to two places.	<u>Measurement</u> -measure and calculate the perimeter of a recti- linear figure (including squares) in centimetres and metres	<u>Geometry -</u> identify lines of symmetry in 2-D shapes present- ed in different orientations
Week 5	Place Value/Number - find the effect of dividing a one- or two- digit number by 10 and 100	<u>Number -</u> multiply two-digit and three-digit numbers by a one- digit number using formal written layout	<u>Fractions -</u> add and subtract fractions with the same denomi- nator	<u>Statistics</u> - interpret and present discrete and continuous data using appropriate graphical methods, including bar charts and time graphs.	<u>Measurement</u> -measure and calculate the perimeter of a recti- linear figure (including squares) in centimetres and metres	<u>Number -</u> read Roman numer- als to 100 (I to C) and know that over time, the numeral system changed to include the concept of zero and place value.
Week 6	<u>Number -</u> add numbers with up to 4 digits using the formal writ- ten methods - solve addition two- step problems in contexts.	<u>Number -</u> recognise and use factor pairs	Fractions - recognise and show, using diagrams, families of com- mon equivalent fractions	<u>Statistics -</u> solve comparison, sum and difference problems using information presented in bar charts, pictograms, tables and other graphs.	<u>Measurement -</u> find the area of rectilinear shapes by counting squares	<u>Number -</u> solve addition and subtraction two-step problems in contexts, deciding which operations and methods to use and why.



## Year 5 Maths Yearly Overview

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	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2 Pondhu Primary Scho
Week 1	Place Value □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	Number 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 solve problems involving addition, subtraction, multiplication and divi- sion and a combination of these, including understanding the meaning of the equals sign solve problems involving multiplica- tion and division, including scaling by simple fractions and problems in- volving simple rates.	<u>Fractions</u> compare and order fractions whose denominators are all multiples of the same number	Percentage recognise the percent 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 deci- mal	Stats Solve comparison, sum and differ- ence problems using information presented in a line graph complete, read and interpret infor- mation in tables, including timeta- bles.	<u>Measurement: Converting Units</u> □ convert between different units of metric measure (for example, kilometre and metre; centimetre and metre; centimetre and milli- metre; gram and kilogram; litre and millilitre) □ understand and use approximate equiva- lences between metric units and common imperial units such as inches, pounds and pints
Week 2	Place Value round any number up to 1 000 000 to the nearest 10, 100, 1000, 10 000 and 100 000 solve number problems and practical problems that involve all of the above	<u>Number</u> multiply and divide numbers men- tally drawing upon known facts multiply and divide whole numbers and those involving decimals by 10, 100 and 1000	<u>Fractions</u> add and subtract fractions with the same denominator and denomina- tors that are multiples of the same number	Percentage □recognise the percent 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 deci- mal	<u>Geometry: Angles</u> □know angles are measured in de- grees: estimate and compare acute, obtuse and reflex angles □draw given angles, and measure them in degrees (o)	<u>Measurement: Converting Units</u> □use all four operations to solve problems involving measure [for example, length, mass, volume, money] using decimal nota- tion, including scaling.
Week 3	Place Value interpret negative numbers in context, count forwards and backwards with posi- tive and negative whole numbers, including through zero solve number problems and practical problems that involve all of the above read Roman numerals to 1000 (M) and recognise years written in Roman numerals	Number ☐ 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	<u>Fractions</u> recognise mixed numbers and im- proper fractions and convert from one form to the other and write mathematical statements > 1 as a mixed number [for example, + = = 1]	Decimal Numbers □read, write, order and compare numbers with up to three decimal places	Geometry: Angles identify: angles at a point and one whole turn (total 360o) angles at a point on a straight line and a turn (total 180o) other multiples of 90o use the properties of rectangles to deduce related facts and find miss- ing lengths and angles	Measurement: Area & Perimeter measure and calculate the perimeter of composite rectilinear shapes in centimetres and metres calculate and compare the area of rectan- gles(including squares), and including using standard units, square centimetres (cm2) and square metres (m2) and estimate the area of irregular shapes
Week 4	Number □add and subtract whole numbers with more than 4 digits, including using formal written methods (columnar addition and subtraction) □add and subtract numbers mentally with increasingly large numbers	Number Solve problems involving addition, subtraction, multiplication and divi- sion and a combination of these, including understanding the meaning of the equals sign Solve problems involving multiplica- tion and division, including scaling by simple fractions and problems in- volving simple rates.	Fractions multiply proper fractions and mixed numbers by whole numbers, sup- ported by materials and diagrams	Decimal Numbers □round decimals with two decimal places to the nearest whole number and to one decimal place	Geometry: Shapes identify, describe and represent the position of a shape following a re- flection or translation, using the ap- propriate language, and know that the shape has not changed. identify 3-D shapes, including cu- bes and other cuboids, from 2-D representations distinguish between regular and irregular polygons based on reason- ing about equal sides and angles.	Measurement: Time □solve problems involving converting be- tween units of time
Week 5	<u>Number</u> ☐add and subtract whole numbers with more than 4 digits, including using formal written methods (columnar addition and subtraction) ☐add and subtract numbers mentally with increasingly large numbers	Number solve problems involving multiplica- tion and division including using their knowledge of factors and multiples, squares and cubes recognise and use square numbers and cube numbers, and the notation for squared (2) and cubed (3)	Fractions ☐identify, name and write equivalent fractions of a given fraction, repre- sented visually, including tenths and hundredths ☐read and write decimal numbers as fractions [for example, 0.71 = ] ☐recognise and use thousandths and relate them to tenths, hun- dredths and decimal equivalents ☐ solve problems which require knowing percentage and decimal equivalents of , , , , and those fractions with a denominator of a multiple of 10 or 25.	Decimal Numbers ☐solve problems involving number up to three decimal places	<u>Geometry: Shapes</u> identify, describe and represent the position of a shape following a re- flection or translation, using the ap- propriate language, and know that the shape has not changed.	<u>Measurement: Time</u> ☐solve problems involving converting be- tween units of time
Week 6	<u>Number</u> □ solve addition and subtraction multi-step problems in contexts, deciding which oper- ations and methods to use and why. □ use rounding to check answers to calcu- lations and determine, in the context of a problem, levels of accuracy	Number         □identify multiples and factors, including finding all factor pairs of a number, and common factors of two numbers         □know and use the vocabulary of prime numbers, prime factors and composite (non-prime) numbers         □establish whether a number up to 100 is prime and recall prime numbers up to 19	Percentage □recognise the percent 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 deci- mal	Stats solve comparison, sum and differ- ence problems using information presented in a line graph complete, read and interpret infor- mation in tables, including timeta- bles.	<u>Measurement: Volume</u> □estimate volume [for example, us- ing 1 cm3 blocks to build cuboids (including cubes)] and capacity [for example, using water]	

# Year 6 Maths Yearly Overview

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1
Week 1	Place Value 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 the above	NumberDivide numbers up to 4 digits by a 2 digitwhole number using the formal writtenmethod of long division, and interpretremainders as whole number remainders,fractions, or by rounding, as appropriatefor the contextDivide numbers up to 4 digits by a 2 digitnumber using the formal written methodof short division where appropriate, interpreting remainders according to the contextSolve problems involving division	Fractions (including decimals and per- centages) Multiply simple pairs of proper fractions, writing the answer in its simplest form Divide proper fractions by whole numbers	<u>Number – Algebra</u> Use simple formulae Express missing number problems alge- braically	<u>Geometry</u> Draw 2D shapes using given and angles Recognise, describe and built shapes, including makin Compare and classify geome based on their properties and find unknown angles in any quadrilaterals and regular
Week 2	Place Value Round any whole number to a required degree of accuracy Solve number and practical problems that involve the above	<u>Number</u> Identify common factors, common multi- ples and prime numbers	Fractions (including decimals and per- centages) Identify the value of each digit in numbers given to 3 decimal places and multiply and divide numbers by 10, 100 and 1000 giv- ing answers up to 3 decimal places	<u>Number – Algebra</u> Generate and describe linear number sequences Find pairs of numbers that satisfy an equation with 2 unknowns Enumerate possibilities of combinations of 2 variables	<u>Geometry</u> Illustrate and name parts of cluding radius, diameter and ence and know that the diame the radius Recognise angles where the point, are on a straight line, o cally opposite, and find miss
Week 3	Place Value Use negative numbers in context and calculate intervals across 0 Solve number and practical problems that involve the above	<u>Number</u> Use their knowledge of the order of oper- ations to carry out calculations involving the 4 operations	Fractions (including decimals and per- centages) Recall and use equivalences between simple fractions, decimals and percent- ages, including in different contexts	<u>Number – Ratio</u> Solve problems involving the relative sizes of 2 quantities where missing val- ues can be found by using integer multi- plication and division facts Solve problems involving similar shapes where the scale factor is known or can be found	<u>Geometry</u> Describe positions on the full grid (all 4 quadrants Draw and translate simple sha coordinate plane, and reflect axes
Week 4	<u>Number</u> Solve problems involving addition and subtraction	Fractions (including decimals and percentages) Use common factors to simplify fractions; use common multiples to express frac- tions in the same denomination	Measurement Solve problems involving the calculation and conversion of units of measure, using decimal notation up to 3 decimal places where appropriate 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	Number – Ratio Solve problems involving the calculation of percentages (eg of measures and such as 15% of 360) and the use of percent- ages for comparison Solve problems involving unequal sharing and grouping using knowledge of frac- tions and multiples	Place Value Round any whole number to degree of accuracy Solve number and practical pr involve the above Use negative numbers in co calculate intervals acco Solve number and practical pr involve the above
Week 5	<u>Number</u> Solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why	Fractions (including decimals and percentages) Compare and order fractions, including fractions > 1	Measurement           Recognise that shapes with the same areas can have different perimeters and vice versa           Recognise when it is possible to use formulae for area and volume of shapes	<u>Statistics</u> Interpret and construct pie charts and line graphs and use these to solve problems	Number: Addition/Subtraction Solve problems involving ad subtraction Solve addition and subtraction problems in contexts, decid operations and methods to us
Week 6	<u>Number</u> Multiply multi-digit numbers up to 4 digits by a 2 digit whole number using the for- mal written method of long multiplication Solve problems involving multiplication	Fractions (including decimals and percentages) Add and subtract fractions with different denominators and mixed numbers, using the concept of equivalent fractions	Measurement           Calculate the area of parallelograms and triangles           Calculate, estimate and compare volume of cubes and cuboids using standard units, including cubic centimetres (cm³) and cubic metres (m³) and extending to other units (eg mm³ and km³)	<u>Statistics</u> Interpret and construct pie charts and line graphs and use these to solve problems Calculate and interpret the mean as an average	Number: Multiplication/I Multiply multi-digit numbers u by a 2 digit whole number us mal written method of long m Solve problems involving mu



		P
	Fractions. Decimals and Percentages	Prir
limensions	Multiply simple pairs of proper fractions, writing	g
l simple 3D g nets	Divide proper fractions by whole numbers	
tric shapes sizes and triangles, polygons	Recall and use equivalences between simple fractions, decimals and percentages, including different contexts	in
	Moseuromont	
circles, in- circumfer- ter is twice	Solve problems involving the calculation and conversion of units of measure, using decima notation up to 3 decimal places where appropr	 i-
r meet at a r are verti- ng angles	Use, read, write and convert between standar units, converting measurements of length, mas volume and time from a smaller unit of measur to a larger unit, and vice versa, using decimal notation to up to 3 decimal places	d ss, re I
	Algebra	
coordinate )	Use simple formulae	
pes on the hem in the	Express missing number problems algebraical	ly
	Find pairs of numbers that satisfy an equation with 2 unknowns	l
	Enumerate possibilities of combinations of 2 variables	
	Ration	
	Solve problems involving the relative sizes of	~
a required	quantities where missing values can be found to using integer multiplication and division facts.	2 oy
a required oblems that	<ul> <li>quantities where missing values can be found if using integer multiplication and division facts.</li> <li>Solve problems involving the calculation of per centages (eg of measures and such as 15% of 360) and the use of percentages for comparison</li> </ul>	∠ oy r- of on
a required oblems that ntext and ss 0 oblems that	<ul> <li>quantities where missing values can be found if using integer multiplication and division facts.</li> <li>Solve problems involving the calculation of per centages (eg of measures and such as 15% of 360) and the use of percentages for compariso</li> </ul>	z by r- of on
a required oblems that ntext and ss 0 oblems that	<ul> <li>quantities where missing values can be found if using integer multiplication and division facts.</li> <li>Solve problems involving the calculation of per centages (eg of measures and such as 15% of 360) and the use of percentages for compariso</li> </ul>	2 oy r- of on
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a required oblems that ntext and ss 0 oblems that <b>action</b> dition and	quantities where missing values can be found if using integer multiplication and division facts.         Solve problems involving the calculation of percentages (eg of measures and such as 15% of 360) and the use of percentages for compariso         Statistics         Interpret and construct pie charts and line grap and use these to solve problems	z by of on
a required oblems that ntext and ss 0 oblems that action dition and n multi-step ng which	quantities where missing values can be found if using integer multiplication and division facts.         Solve problems involving the calculation of percentages (eg of measures and such as 15% of 360) and the use of percentages for compariso         Statistics         Interpret and construct pie charts and line graph and use these to solve problems         Calculate and interpret the mean as an average	2 oy of on hs
a required oblems that ntext and ss 0 oblems that action dition and n multi-step ng which e and why	quantities where missing values can be found if using integer multiplication and division facts.         Solve problems involving the calculation of percentages (eg of measures and such as 15% of 360) and the use of percentages for comparison         Statistics         Interpret and construct pie charts and line graph and use these to solve problems         Calculate and interpret the mean as an average	2 oy of on hs je
a required oblems that ntext and ss 0 oblems that action dition and multi-step ng which e and why	quantities where missing values can be found if using integer multiplication and division facts.         Solve problems involving the calculation of percentages (eg of measures and such as 15% c 360) and the use of percentages for comparison (equation) and the use of percentages for comparison (equation) and use these to solve problems         Statistics         Interpret and construct pie charts and line graph and use these to solve problems         Calculate and interpret the mean as an average         Geometry	2 oy of on hs je
a required oblems that ntext and ss 0 oblems that action dition and multi-step ng which e and why ivision to 4 digits ng the for- iltiplication	Geometry         Illustrate and name parts of circles, including	z y r- f n hs je
a required oblems that ntext and ss 0 oblems that action dition and n multi-step ng which e and why vivision o to 4 digits ng the for- ultiplication ltiplication	Geometry         Illustrate and name parts of circles, including radius, diameter and circumference and know that the diameter is twice the radius         Recognise angles where they meet at a point are on a straight line, or are vertically opposite and find missing angles	2 y r- hs pe

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