Mathematics Programmes of Study I can read and write numbers from 1 to 20 in digits and words. I can solve one step problems using subtraction. I can count in 2s, 5s and 10s. I can solve simple half and quarter problems. I know and use words relating to dates such as days, weeks & months. I can describe position, directions and movements. I can count in multiples of 10. I can solve one step problems using addition. I can solve simple division problems. I can find and name a quarter of a quantity. I can recognise and know the value of coins and notes. I can count in multiples of 5. I can count in multiples of 5. I can add and subtract 2 digit numbers to 20. I can solve simple multiplication problems. I can find and name a half of a shape. I am beginning to measure and record tion. I can recognise/name and record tion. I can recognise/name and record tion. I can organise information in a sit and to a subtract 2 digit numbers to 20. I can solve simple multiplication problems. I can find and name a half of a shape. I am beginning to measure and record tion. I can recognise/name and record tion. I can recognise/name and record tion. I can organise in a site organise in different sizes. I can organise in a site organise in a site organise in different sizes. I can organise in a site organise in different sizes. I can organise in a site organise in a site organise in different sizes. I can organise in a site organise in different sizes. I can organise in a site or	ren's Service
I can read and write numbers from 1 to 20 in digits and words. I can tell the time to the hour and half past the hour. I can tell the time to the hour and half past the hour. I can find one more or on less of a given number. I can solve one step problems using subtraction. I can count in 25, 5s and 10s. I can solve simple half and quarter problems. I know and use words relating to dates such as days, weeks & months. I can describe position, directions and movements. I can count in multiples of 10. I can solve one step problems using addition. I can solve simple division problems. I can find and name a quarter of a quantity. I can recognise and know the value of coins and notes. I can order and arrange combinations of objects and shapes in patterns. I can count in multiples of 5. I can add and subtract 2 digit numbers to 20. I can solve simple multiplication problems. I can find and name a half of a shape. I am beginning to measure and record in division in a simple on division and shapes in patterns. I can organise information in a simple multiplication problems. I can solve simple half of a shape. I am beginning to measure and record in division and shapes in different sizes. I can organise information in a simple multiplication in a simple multiplication problems. I can find and name a half of a shape. I am beginning to measure and record in division measure and record in division in a simple multiplication in a simple mul	
I can find one more or one less of a given number.I can solve one step problems using subtraction.I can count in 2s, 5s and 10s.I can solve simple half and quarter problems.I know and use words relating to dates such as days, weeks & months.I can describe position, directions and movements.I can count in multi- ples of 10.I can solve one step problems using addition.I can solve simple division problems.I can find and name a quarter of a quantity.I can recognise and know the value of coins and notes.I can order and arrange combinations of objects and shapes in patterns.I can count in multi- ples of 5.I can add and subtract 2 digit numbers to 20.I can solve simple multiplication problemsI can find and name a half of a shape.I am beginning to measure and record timeI can recognise/name 2-D and 3-D shapes in different sizes.I can organise information in a sin way.	S
I can count in multiples of 10.I can solve one step problems using addition.I can solve simple division problems.I can find and name a quarter of a quantity.I can recognise and know the value of coins and notes.I can order and arrange combinations of objects and shapes in patterns.I can count in multiples of 5.I can add and subtract 2 digit numbers to 20.I can solve simple multiplication problems.I can find and name a half of a shape.I am beginning to measure and record timeI can recognise/name 2-D and 3-D shapes in different sizes.I can organise information in a sin way.	2
I can count in multi- ples of 5.I can add and subtract 2 digit numbers to 20.I can solve simple multiplication problemsI can find and name a half of a shape.I am beginning to measure and record timeI can recognise/name 2-D and 3-D shapes in different sizes.I can organise information in a size	
	ıple
I can count in multi- ples of 2.I can add and subtract one digit numbers to 20.I can complete simple number patterns.I can find and name a quarter of an object.I am beginning to measure and record capacity and volume.I can recognise and name 3-D shapes from everyday objects.I can read information from simple table.	
I can count in multi- ples of 1.I can show and use subtraction facts within 20.I can show multiplication using arrays.I can find and name a half of a quantity.I am beginning to measure and record mass /weight.I can recognise and name 2-D shapes from everyday objects.I can read simple information from block diagram.	
I can show and use write numbers to 100. I can show and use Number bonds to 20. I can share and group small amounts. I can find and name a half of a shape. I can find and name a half of a shape. I can record lengths and heights. I can recognise and name 3-D shapes. I can read simple information from chart.	tally
I can count to and across 100, forwards and backwards. I can read, write and understand calculations with +, - and = signs. I can double single digit numbers. I can find and name a half of an object. I can compare, describe and solve problems involving measures. I can recognise and name 2-D shapes. I can read simple information from pictogram.	
Number, place value & roundingAddition and SubtractionMultiplication and DivisionFractionsMeasuresGeometryData	







Mathematics Programmes of Study

Ko		Mathema	itics Programmes c	of Study		I can organise informa-
Value and number facts to solve problems.	I can recognise and use inverse relationships between + and –.	I can solve 1 step problems involving mul- tiplication and division.		I can tell and write the time to the nearest 5 minutes.		tion using 'many-to-one' in pictograms using sim- ple ratios (2,5 and 10).
I can read and write numbers to at least 100 in numerals and words.	I can show that addition can be done in any order and subtraction can't.	I know that of 1 number by an other can not be done in any order.	I can solve simple problems involving fractions.	I can compare and sequence intervals of time.	I can use mathematical vocabulary to describe position, direction and movement.	I can ask and answer questions when compar- ing categorical data.
I can use the <, > and = signs.	I can add and subtract 2 digit numbers and 10s and 2, 2 digit numbers.	I can show that X of 2 numbers can be done in any order.	I can count in frac- tions up to 10 starting from any number.	I can solve simple problems in a practi- cal context for money.	I can order and ar- range combinations of objects in patterns.	I can ask and answer questions about totalling.
I can compare and order numbers from 0 up to 100.	I can add and subtract a 2 digit number and ones and tens.	I can recognise and use inverse relationships between X and division.	I can write simple fractions and recog- nise equivalence.	I can recognise and use symbols for pounds and pence.	I can compare and sort common 2-D and 3-D shapes .	I can ask and answer simple questions by sorting categories by quantity.
I can identify, represent and estimate numbers.	I can recall and use + and — facts to 20 and use number facts to 100.	I can calculate mathematical statements for division.	I can recognise, find, name and write fractions of a quantity.	I can read relevant scales to the nearest numbered unit.	I can identify 2-D shapes on the surface of 3-D shape.	I can interpret and construct simple tables.
I know the place value of each digit in a 2 digit number.	I can apply written strategies to problems.	I can calculate mathematical statements for X.	I can find, name and write fractions of a set of objects.	I can compare and order length, mass, volume/capacity.	I can identify and de- scribe the properties of 3-D shapes.	I can interpret and construct simple block diagrams.
I can count forwards and backwards in tens from any number,	I can apply mental strategies to problems.	I can recognise odd and even numbers.	I can recognise, find, name and write fractions of a shape.	I can use different equipment to measure accurately.	I can identify lines of symmetry in 2-D shapes.	I can interpret and construct simple tally charts.
I can count in steps of 2,3 and 5 from 0.	I can solve simple one step problems with addition and subtrac-	I can recall and use X and ÷ facts for the 2, 5 and 10 X tables.	I can recognise, find, name and write fractions of a length.	I use the correct stan- dard units to estimate and measure.	I can identify and de- scribe the properties of 2-D shapes.	I can interpret and construct simple pictograms.
Number, place value & rounding	Addition and Subtraction	Multiplication and Division	Fractions	Measures	Geometry	Data
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		Mathema	itics Programmes o	f Study		
I can solve number problems and practi- cal problems.	I can solve missing number problems for + and –.	I can solve missing num- ber problems using mul- tiplication and division.	I can solve problems that involve fractions.	I can compare durations of events.	I can identify horizontal,	I can interpret data presented
I can read and write numbers to at least 1000 in numerals and words.	I can solve word prob- lems for + and –.	I can solve problems using multiplication and division.	I can compare and order fractions with the same denominator.	I know the number of sec- onds in a minute and the number of days in each month, year and leap year.	vertical, perpendicular and parallel lines in relation to other lines.	In many contexts.
I can identify, represent and estimate numbers in	I can estimate the an- swer to a calculation and use inverse operations	I can use efficient writ- ten methods to X a 2	I can + and - fractions with the same denomi-	I can recognise and write the Roman numerals from I to XII.	angles are greater than or less than a right angle.	charts.
different contexts.	to check answers.	digit and 1 digit number.	nator within 1 whole.	I can tell and write the time	I know that 2 right angles make a half turn, 3 make	I can solve two step problems such as
I can compare and order number ups to	I can - numbers with up to 3 digits using an effi-	I can use mental strate- gies to multiply a 2 digit	I can recognise and show, using diagrams,	24 hour clock.	3/4 of a turn and 4 make a complete turn.	How many more? How many fewer?'
1000.	cient written method.	number by a 1 digit.	equivalent fractions.	I can + and – amounts of money to give change using	I can identify right angles.	I can solve one step
I can recognise the place value of each digit in a 3 digit number.	I can + numbers with up to 3 digits using an effi- cient written method.	I can calculate mathe- matical statements for X and ÷ facts that I know.	I can recognise and use fractions as numbers. 1/4 +3/4 =1	£ and p.	I can recognise angles as a property of shapes and associate angles with	 problems such as 'How many more? How many fewer?'
I can find 10 or 100	I can + and—numbers	I can recall and use X	I can recognise, find and	ter of simple 2-D shapes.	turning.	I can interpret and
more or less than a given number.	mentally - '3 digit num- ber and hundreds'.	and ÷ facts for the 8 times tables.	write fractions for a set of objects.	I can measure, compare, add and subtract volume/ capacity (I/ml).	I can recognise and de- scribe 3-D shapes in different orientations	present data using tables.
I can count from 0 in multiples of 50 and 100.	I can add and subtract numbers mentally - '3 digit number and tens'.	I can recall and use X and ÷ facts for the 4 times tables.	I know that tenths arise from dividing an object into 10 equal parts.	I can measure, compare, add and subtract mass (kg/ g).	I can make 3-D shapes using modelling	I can interpret and present data using pictograms.
I can count from 0 in multiples of 4 and 8.	I can add and subtract numbers mentally - '3 digit number and ones'.	I can recall and use X and ÷ facts for the 3 times tables.	l can count up and down in tenths.	I can measure, compare, add and subtract lengths (m/cm/mm).	I can draw 2-D shapes.	I can interpret and present data using bar charts.
Number, place value & rounding	Addition and Subtraction	Multiplication and Division	Fractions	Measures	Geometry	Data
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I can read Roman numerals to 100 (I to C) and understand how the		Mather				
numeral system changed.	I can solve mental calcu-	I can solve problems	I can solve simple measure and money problems in- volving fractions and deci-			
latio	lations with increasingly large numbers.	involving multiplying and dividing.	mals to two decimal places.	from hours to minutes: minutes to seconds; years to months and weeks to days.	and draw sides to complete a given polygon.	I use a range of scales when
place value.	I can solve two-step subtraction problems	I can multiply three-digit numbers by a one-digit	with the same number of decimal places.		l can translate shapes.	presenting data.
I can round any number to the nearest 10, 100 or 1000.	deciding which opera- tions and methods to use and why.	number.	I can round decimals with 1 decimal place to the near- est whole number.	I can read, write and convert time between	I can describe position on a 2-D grid as co-ordinates in	I can solve 'difference' problems using information presented in bar charts,
I can identify, represent	I can solve two-step addition problems de-	numbers by a one-digit number.	I can find the effect of ÷ a number by 10 and 100 and	analogue and digital 12 and 24-hour clocks.	the first quadrant.	pictograms, tables and simple line graphs.
and estimate numbers.	ciding which operations and methods to use and why.	I can recognise and use factor pairs in mental	identify the the value of the digits in the answer.	I can estimate, compare and calculate different	symmetric figure with re- spect to a specific line of symmetry.	I can solve 'sum' prob- lems using information
numbers beyond 1000.	, I can use inverses to	calculations.	I can recognise and write decimal equivalents to 1/4, 1/2, 3/4.	measures, including money in pounds and pence.	I can identify lines of	presented in bar charts, pictograms, tables and simple line graphs.
I can recognise the place value of each digit in a 4- digit number.	check answers to calculations.	l can multiply to- gether three numbers.	I can recognise and write decimal equivalents of any number of 10ths or 100ths.	I can find the area of rectilinear shapes by	presented in different orientations.	I can solve 'comparison' problems using informa-
I can count backwards	I can estimate to check answers to calculations.	I can use place value, known and derived facts	I can add and subtract fractions with the same	counting.	I can compare and order angles up to two right angles by size.	tion presented in bar charts, pictograms, ta- bles and simple line
negative numbers.	I can subtract numbers	I can use place value,	I can identify, name and	calculate the perimeter of a rectilinear figure (including squares) in	I can identify acute and	I can interpret and
less than a given number.	efficient written methods.	known and derived facts to multiply mentally.	of a given fraction.	centimetres and metres.	I can compare and classify	present data using line graphs.
I can count in multiples of 6,7,9,25 and 1000.	I can add numbers with up to 4 digits using effi- cient written methods.	l can recall X and ÷ facts for multiplication tables up to 12X12.	100ths and recognise that 100ths arise when dividing an object by 100 and divid- ing 10ths by 10.	different units of meas- ure (e.g. Kilometre to metre; hour to minute).	geometric shapes, including quadrilaterals and triangles, based on their properties and sizes.	I can interpret and present data using bar charts.
Number, place value & rounding	Addition and Subtraction	Multiplication and Division	Fractions and Decimals	Measures	Geometry	Data

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		Mather	matics Programme	s of Study				
I can recognise years written in Roman	I can solve multi-step	I can solve problems including scaling by simple fractions and	l can write percentages as a fraction.	I can solve problems involv- ing addition and subtrac-	guish between regular			
numerais.	subtraction problems in contexts, deciding which	simple rates.	I can recognise the % symbol and understand what it means.	using decimal notation.	and irregular polygons.			
I can read Roman numerals to 1000 (M).	operations and methods to use and why.	I can recognise an use square numbers and cube numbers.	l can solve number problems up to 3 decimal places.	I can solve problems involving converting	I can state and use the properties of a rectangle to deduce related facts.			
l can solve number problems and practical problems.	I can solve multi-step addition problems in contexts, deciding which	I can X and ÷ whole num- bers and those involving decimals by 10, 100 & 1000.	I can read, write, order and compare numbers with up to 3 decimal places.	between units of time.	I can draw shapes using given dimensions and	I can present information using ICT.		
I can round any number	operations and methods to use and why.		I can round decimals with 2 decimal places to the nearest	estimate volume and capacity.	I can compare different	I can read and interpret		
up to 1,000,000 to the nearest 10, 100, 1000,	I can use rounding to	unding to	whole number and to one decimal place.	I can estimate the area of	angles.	information in tables including timetables.		
10,000 and 100, 000.	check answers to calculations.	method.	I can recognise and use 1000ths and relate them to 10ths.	integular shapes.	I can identify reflex angles.	L can complete		
I can use negative numbers in context and	I can subtract mentally	I can X numbers up to 4 digits by a one or 2 digit	100ths and decimal equivalents.	I can calculate and compare the area of squares and rectangles.	I can identify angles at a point and one whole turn.	information in tables including timetables.		
can count forwards and backwards with positive and negative numbers through 0.	using increasingly large numbers.	number.	l can read and write decimal numbers as fractions.	I can measure and calculate	I can identify angles at a point on a straight line and	L can solve 'difference'		
	I can add mentally using	ber up to 100 is prime and recall prime numbers up to	I can multiply proper fractions	the perimeter of composite rectilinear shapes in	1/2 a turn.	problems using information presented		
I can count forwards or	increasingly large numbers.	19.	numbers, supported by materi- als and diagrams.	centimetres and metres.	90 degrees.	in line graphs.		
backwards in steps of powers of 10 for any given	L can subtract numbers	I know and use the vocabulary of prime numbers, prime factors and	I know and use the vocabulary of prime numbers, prime factors and	I know and use the vocabulary of prime numbers, prime factors and	I can + and - fractions with the same denominator and related	I understand and use basic equivalences between	I can draw a given angle, writing its size in degrees.	I can solve 'sum' prob-
I know what each digit represents in numbers to 1.000.000.	with more than 4 digits using efficient written	with more than 4 digits using efficient written	fractions.	ms imperial units.	I know angles are measured	presented in line graphs.		
	methods.	I can solve problems using	and improper fractions and convert from one form to	I can convert between different units of measure	in degrees and can estimate and measure them.]		
I can add numbers w	I can add numbers with	multiplication and division.	another.	(e.g. Kilometre to metre; metre and centimetre:	I can identify 3-D shapes,	I can solve 'comparison' problems using		
can read, write, order and compare numbers to at least 1,000,000.	efficient written methods.	I can identity multiples and factors, including finding all factor pairs.	tions whose denominators are all multiples of the same number.	centimetre and millimetre; kilogram and gram; litre and millilitre).	cuboids, from 2-D presentations.	information presented in line graphs.		
Number, place value & rounding	Addition and Subtraction	Multiplication and Division	Fractions and Decimals	Measures	Geometry	Data		
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		Mathe	matics Programme	s of Study		eadway children's Servic
tan find pairs of numbers that satisfy numbers sen- tences involving two unknowns.	I use estimation to check answers to calculations.	I can solve ratio and proportion problems involving unequal sharing	I can recall and use equivalences between simple fractions. deci-	I can calculate , estimate and compare volume of cubes and cuboids using	I can draw and translate	m Cos
I can generate and describe linear number sequences.	I can solve problems involving any operation.	and grouping. I can solve ratio and	mals and percentages.	standard units, including centimetre cubed and cubic metres.	flect them in the axes.	TH2
l can use simple formulae expressed in words.	I can solve addition and subtraction multi-step problems.	proportion problems involving the relative sizes of two quantities, including similarity.	ing the calculation of per- centages of whole numbers or measures such as 15% of 360.	I recognise when it is necessary to use the formulae for area and	I can describe positions on the full co-ordinate grid (all four quadrants).	
I can express missing num- ber problems algebraically.	I use knowledge of the order of operations to carry	I can divide proper fractions by whole numbers (e.g.	I can solve problems	volume of shapes.	I can find unknown an- gles where they meet at	I can convert kilometres to miles using a graphical
l can recognise years writ- ten in Roman numerals.	out calculations involving the four operations.	1/3÷2=1/6).	which require answers to be rounded to specified degrees of	I can calculate the area of parallelograms and triangles.	line, and are vertically opposite.	representation.
I can read Roman numerals to 1000 (M).	I can identify common factors, common multiples and prime numbers.	the answer in it's simplest form (e.g. 1/4X1/2=1/8).	accuracy.	I can recognise that shapes with the same	I can illustrate and parts of circles, including	l can draw graphs relating two variables.
l can solve number problems and practical problems.	I can calculate mentally, including with mixed opera- tions and large numbers	I can add and subtract fractions with different denominators and mixed numbers, using the concept	the answer has up to 2 decimal places.	areas can have different perimeters and vice versa.	radius, diameter and circumference.	I can calculate and interpret the mean as an
	tions and large numbers.	of equivalent fractions.	I can multiply one-digit		l can find unknown an- gles in any triangles,	average.
I can calculate intervals across '0' when using negative numbers.	I can interpret remainders as whole number remain- ders, fractions, or by	I can associate a fraction with division to calculate decimal fraction	numbers with up to 2 decimal places by whole numbers.	miles and kilometres.	quadrilaterals and regular polygons.	I can construct line graphs.
l can use negative numbers in context.	rounding.	a simple fraction (e.g. 3/8).	I can multiply and divide numbers by 10, 100 and	I use, read, write and convert between standard units of measure.	I can compare and classify geometric shapes based on their	l can interpret line graphs.
I can round any whole number.	number using an efficient written method.	fractions, including fractions >1.	are up to 3 decimal places.	I can solve problems involv- ing the calculation and	properties and sizes.	l can construct pie charts.
l can read, write,	I can multiply multi-digit	I can use common factors to simplify fractions and	I can identify the value	conversion of units of measure, using decimal	I can recognise, describe and build simple 3-D	
order and compare num- bers up to 10,000,000.	a written method.	use common multiples to express fractions in the same denomination.	of each digit to three decimal places.	notation to 3 decimal places where appropriate.	shapes, including making nets.	l can interpret pie charts.
Number and Algebra	+,-,x and ÷	Fractions Ratio and Proportion	Fractions, Decimals and Percentages	Measures	Geometry	Data