Maths	Autumn	Spring	Summer
R	Number KEY knowledge/skills • Children will represent, compose and compare numbers to 5.	Number KEY knowledge/skills • Children will represent, compose and compare numbers to 8. • Children will find number bonds to 10 through adding. • Children will identify 0. • Children will count to 9 and 10. • Children will compare numbers to 10.	Number KEY knowledge/skills • Children will count forwards and backwards within 10. • Children will know 5+5=10, 0+10+10. • Children will double within 10.
	Numerical Patterns KEY knowledge/skills • Children will match and sort. • Children will compare amounts, size, mass and capacity. • Children will make AB patterns. • Children will identify and describe circles, triangles, squares and rectangles. • Children will use positional language including under, over, around and through. • Children will identify one more and one less within 5.	Numerical Patterns KEY knowledge/skills • Children will compare mass and capacity. • Children will make ABB/AAB repeated patterns. • Children will identify a cube, sphere, cylinder and cone. • Children will make pairs. • Children will be able to sequence time	Numerical Patterns KEY knowledge/skills • Children will match patterns using tangrams and shapes. • Children will add more and take away within 20. • Children will build and identify numbers to 20. • Children will verbally count beyond 20. • Children will equally share into two groups • Children will identify even and odd numbers up to 10.
1	Unit 1.1 Number and Place Value Addition and Subtraction KEY knowledge/skills • I can count to at least 50 forwards, beginning with 1 and backwards from 10. • I can count in 10s to 50. • I can find one more and one less. • I can solve problems in a context, finding one more and one less. • I can use objects and pictures to represent a number. • I can place a number on a number line. • I can order numbers. • I can compare numbers. • I can order events in my day. • I can partition numbers up to 5. • I can solve problems using partitioning.	Unit 1.5 Addition and Subtraction KEY knowledge/skills • I can count and order numbers. • I can partition 6, 7, 8 and 9. • I can use number bonds and related subtraction facts. • I can use number bonds to partition in different ways. • I can solve one-step problems. • I can use number bonds to 10. • I can represent 'teens' numbers. • I can use number bonds to solve one-step problems.	Unit 1.7 Addition and Subtraction with Mass KEY knowledge/skills • I can recognise and know the value of different coins. • I can identify one more. • I can count in tens. • I can count in coins. • I can order amounts. • I can compare amounts. • I can use number bonds to solve money problems. • I can represent 'teens' numbers using coins
	Unit 1.2 Measurement KEY knowledge/skills • I can count in 1s. • I can count in 10s. • I can count in 1ps and 10ps. • I can compare lengths and heights. • I can use cubes to compare lengths	Unit 1.5 Measurement: Time and Mass KEY knowledge/skills • I can tell the time to the hour. • I can tell the time to half past the hour. • I can compare and describe mass.	Unit 1.10 Multiplication and Division KEY knowledge/skills • I can count in multiples of fives and tens. • I can count in multiples of fives to solve problems. • I can count in multiples of twos and tens to solve problems. • I can find half of a quantity. • I can solve problems involving grouping.
	Unit 1.2 Addition and Subtraction KEY knowledge/skills • I can partition numbers up to 7. • I can solve problems using partitioning.	Unit 1.6 Fractions and Geometry KEY knowledge/skills • I can recognise and name 2-D shapes. • I can recognise half and a quarter of a shape. • I can solve fraction of shape problems	Unit 1.11 Geometry KEY knowledge/skills • I can recognise and name 2-D shapes. • I can recognise and name 3-D shapes. • I can compare 3-D shapes. • I can arrange 3-D shapes. • I can describe position, directions, and movements
	Unit 1.3 Multiplication and Division KEY knowledge/skills • I can count in 2s. • I can recognise odd and even numbers. • I can share equally.	Unit 1.6 Multiplication and Division KEY knowledge/skills • I can count in multiples of twos. • I can solve multiplication one-step problems • I can solve division one-step problems. • Assessment Opportunity • I can count in multiples of tens. • I can solve one-step multiplication problems	Unit 1.12 Number and Place Value Addition and Subtraction KEY knowledge/skills • I can position numbers on a number line. • I can position 'nearly numbers' on a number line. • I can find one more and one less of a given number. • I can use number bonds to 10 to solve problems. • I can use number bonds to 20 to solve problems.

			• I can use number bonds to 20 to solve problems. • I can use number bonds to 20 to solve problems.
	Unit 1.3 Fractions and Geometry KEY knowledge/skills • I can share into two equal groups. • I can recognise and name 2D shapes. • I can recognise half of a shape.	Unit 1.7 Number and Place Value Addition and Subtraction KEY knowledge/skills • I can count in tens. • I can find one more and one less. • I can find ten more. • I can use number bonds to 10. • I can solve one-step addition and subtraction problems. • I can reason using known facts. • I can problem solve using number bonds to 10	Unit 1.13 Fractions with Multiplication and Division KEY knowledge/skills • I can solve one-step multiplication problems. • I can solve one-step division problems by grouping. • I can identify equal and unequal parts. • I can find a quarter of a shape. • I can find quarter of a quantity.
	Unit 1.4 Number and Place Value Addition and Subtraction KEY knowledge/skills • I can read and represent 'teen' numbers. • I can estimate position of numbers on a number line. • I can find one more and one less. • I can partition 6, 7, 8 and 9. • I can solve addition and subtraction problems.	Unit 1.8 Addition and Subtraction with Money KEY knowledge/skills • I can recognise and know the value of different coins. • I can identify one more. • I can count in tens. • I can count in coins. • I can order amounts. • I can compare amounts. • I can use number bonds to solve money problems. • I can represent 'teens' numbers using coins	Unit 1.14 Measurement: Capacity and Volume KEY knowledge/skills • I can compare and describe mass. • I compare and describe capacity. • I can solve practical problems for capacity. • I can solve practical problems for capacity using fractional language.
			Unit 1.14 Measurement: Time KEY knowledge/skills • I can sequence events. • I can solve practical problems for time. • I can tell the time to the nearest hour and half past the hour. • I can draw the hands on a clock face.
			Unit 1.15 Geometry KEY knowledge/skills • I can recognise and name 2-D shapes. • I can recognise and name 3-D shapes. • I can recognise and match 2-D shapes. • I can recognise and match 3-D shapes. • I can describe position. • I can describe directions and movements.
2	Unit 2.1 Number and Place Value Addition and Subtraction KEY knowledge/skills • I can count to and across 100, forwards and backwards. • I can represent numbers using different representations. • I can order numbers up to 100. • I can reason where to put numbers on a number line. • I can find the nearest multiple of 10 on a number line. • I can compare and order numbers using and = • I can solve problems that involve counting in steps of 10. • I can find one more/one less, two more/two less, bridging through tens and through one hundred. • I can solve problems using known facts • I can revisit number bonds to 10 and then 20. • I can find all the ways to partition any number up to 20. • I can partition numbers.	Unit 2.5 Addition and Subtraction KEY knowledge/skills • I can add a two-digit number and ones without bridging. • I can add three one-digit numbers. • I can add two-digit number and tens. • I can add a two-digit number and ones with bridging. • I can subtract a two-digit number and ones without bridging. • I can subtract a two-digit and tens. • I can subtract a two-digit number and ones with bridging. • I can show that addition can be done in any order.	Unit 2.9 Measurement and Geometry KEY knowledge/skills • I can describe rotational turns. • I can estimate and measure in millilitres. • I can measure temperature using a thermometer. • I can compare 2-D and 3-D shapes

• I can add and subtract a 2-digit number with a 1 digit with no bridging. • I can add and subtract 2-digit and a multiple of 10 • I can add and subtract within 20 using known facts. • I can use number bonds to solve missing number problems.		
Unit 2.2 Measurement KEY knowledge/skills • I can compare lengths using >, < and = • I can measure in centimetres (cms)	Unit 2.5 Measurement: Time and Mass KEY knowledge/skills • I can recall the number of minutes in an hour. • I can show quarter past and quarter to on a clock face. • I can solve problems involving time. • I can recall the number of hours in a day. • I can compare and describe mass. • I can estimate mass. • I can estimate and measure mass	Unit 2.9 Addition and Subtraction KEY knowledge/skills • I can add and subtract numbers. • I can add two two-digit numbers. • I can subtract two two-digit numbers. • I can solve problems with addition and subtraction.
Unit 2.2 Addition and Subtraction KEY knowledge/skills • I can recognise the value of coins. • I can count in 2s, 5s and 10s. • I can find different combinations of coins that equal the same amounts of money, • I can add a 2-digit number with a 1 digit with no bridging in the context of money. • I can add 2-digit and multiples of 10 in the context of money. • I can add within 20. • I can add three one-digit numbers. • I can subtract a 2-digit number with a 1 digit with no bridging in the context of money. • I can subtract 2-digit and multiples of 10 in the context of money. • I can subtract within 20.	Unit 2.6 Fractions and Geometry KEY knowledge/skills • I can identify and describe the properties of 2-D shapes. • I can identify and describe the properties of 3-D shapes. • I can identify and describe the properties of 2-D and 3-D shapes. • I can identify 2-D shapes on the surface of 3-D shapes. • I can recognise a fraction of a shape.	Unit 2.10 Multiplication and Division KEY knowledge/skills • I can recall and use multiplication and division facts for the 10 times table. • I can solve problems using multiplication and division facts for the 10 times table. • I can recall and use multiplication and division facts for the 2 times table. • I can solve problems using multiplication and division facts for the 2 times table. • I can recall and use multiplication and division facts for the 5 times table. • I can solve problems using multiplication and division facts for the 5 times table. • I can share objects equally by counting how many in each group. • I can solve two step problems using multiplication and division facts
Unit 2.3 Multiplication and Division KEY knowledge/skills • I can count in 2, 5 and 10. • I can explore patterns when counting in 2s, 5s and 10s. • I can count in 3s from 0 • I can create arrays with concrete objects. • I can understand the difference between sharing and grouping. • I can solve problems involving groups of 2, 5 and 10 objects using pictorial recording	Unit 2.6 Multiplication and Division KEY knowledge/skills • I can represent multiplication facts pictorially. • I can represent multiplication facts as arrays. • I can solve multiplication problems, using pictorial representations. • I can solve multiplication problems involving unknown facts, using pictorial representations. • I can solve multiplication problems in context. • I can solve division problems in context	Unit 2.12 Number and Place Value Addition and Subtraction KEY knowledge/skills • I can partition numbers in different ways. • I can partition number in tens and ones in different ways. • I can position numbers on a number line. • I can add and subtract a two-digit number and ones. • I can add and subtract a two-digit number and tens. • I can add and subtract two two-digit numbers without bridging. • I can add two two-digit numbers with bridging. • I can subtract two two-digit numbers with bridging. • I can add three one-digit numbers. • I can explain commutativity. • I can recognise the inverse calculation. • I can solve missing number problems. • I can solve two-step problems using addition and subtraction
Unit 2.3 Fractions and Geometry KEY knowledge/skills • I can recap properties of 2D and 3D shapes. • I can recognise and name half as one of two equal parts. • I can identify lines of symmetry within 2D shapes. • I can find a half and a quarter of 2D shapes. • I can count in fractional steps.	Unit 2.7 Number and Place Value Addition and Subtraction KEY knowledge/skills • I can derive and use related facts. • I can add multiples of 10 to any number. • I can recognise and use the inverse. • I can solve one-step problems	Unit 2.13 Fractions KEY knowledge/skills • I can recognise, find, name and write fractions. • I can count in fractional steps. • I can solve problems by counting in fractional steps. • I can find fractions of a quantity. • I can solve problems involving fractions of quantity

	Unit 2.4 Number and Place Value Addition and Subtraction KEY knowledge/skills • I can write numbers in words. • I can compare and order numbers using >, < and = • I can explore patterns when counting forwards and backwards in tens. • I can add and subtract one and ten. • I can add and subtract a two-digit number and ones without bridging. • I can add and subtract a two-digit number and ones with bridging.	Unit 2.7 Statistics KEY knowledge/skills • I can count in steps of 2s, 5s, 10s, and 3s. • I can interpret simple tally charts. • I can interpret simple pictograms. • I can ask and answer simple question. • I can construct simple pictograms, tally charts, block diagrams and simple tables	Unit 2.14 Measurement KEY knowledge/skills • I can find different combinations of coins that equal the same amounts of money. • I can solve two-step problems involving money. • I can measure length accurately. • I can measure mass accurately. • I can measure temperature accurately. • I can measure capacity accurately. • I can tell the time to 5 minutes. • I can compare and order time intervals. • I can order durations of time
	Unit 2.4 Statistics KEY knowledge/skills • I can explain information given in a pictogram and tally chart. • I can ask and answer simple questions about the information given in a pictogram and tally chart. • I can construct a simple pictogram and tally chart.	Unit 2.8 Calculate with Money KEY knowledge/skills • I can solve simple addition problems in the context of money. • I can solve simple subtraction problems in the context of money to find change. • I can solve multiplication problems in the context of money. • I can find different combinations of coins that equal the same amounts of money	Unit 2.15 Geometry KEY knowledge/skills • I can identify and describe properties of 2-D shapes. • I can identify and describe properties of 3-D shapes. • I can use positional and directional language.
		Unit 2.8 Fractions KEY knowledge/skills • I can recognise and find fractions of shape. • I can draw bar models to represent fractions. • I can find a fraction of a quantity.	**2.11 – Historical statutory testing week*
3	Unit 3.1 Number and Place Value Addition and Subtraction KEY knowledge/skills • I can compare and order numbers up to 100. • I can solve number problems using partitioning with numbers up to 100. • I can compare and order numbers up to 1000. • I can compare and order numbers up to 1000 on a number line. • I can solve number problems using partitioning with numbers up to 1000 • I can add and subtract numbers mentally. • I can mental strategies when solving a problem	Unit 3.6 Fractions KEY knowledge/skills • I can compare and order fractions. • I can recognise and show equivalent fractions. • I can add and subtract fractions with the same denominator. • I can solve problems involving fractions.	Unit 3.11 Multiplication and Division KEY knowledge/skills • I can recognise the place of each digit in a three-digit number. • I can recall and use multiplication and division facts for the 3, 4 and 8 times table. • I can use related division facts for the 3, 4 and 8 multiplication tables. • I can solve problems involving multiplication and division (no remainders). • I can divide and find remainders using my multiplication and division facts. • I can solve problems involving multiplication and division, including interpreting remainders in context. • I can solve multiplication and division problems. • I can solve problems, including missing number problems involving multiplication and division.
	Unit 3.2 Measurement: Money KEY knowledge/skills • I can recall key facts in relation to money. • I can find different combinations of coins that equal the same amounts of money. • I can add amounts of money. • I can subtract amounts of money to give change	Unit 3.6 Geometry KEY knowledge/skills • I can recognise angles as a property of shape. • I can recognise angles as a direction of turn. • I can identify whether angles are greater than or less than a right angle	Unit 3.12 Geometry KEY knowledge/skills • I can sort and classify 2-D shapes in different ways. • I can identify horizontal and vertical lines and pairs of perpendicular and parallel lines. • I can solve problems involving horizontal and vertical lines and pairs of perpendicular and parallel lines. • Assessment Opportunity • I can sort and classify 3-D shapes in different ways. • I can describe properties of prisms and pyramids. • I can construct prisms and pyramids

Unit 3.2 Addition and Subtraction KEY knowledge/skills • I can measure accurately using a ruler. • I can add and subtract to solve problems involving measure. • I can measure perimeter.	Unit 3.7 Addition and Subtraction KEY knowledge/skills • I can add and subtract a three-digit number and ones. • I can add and subtract a three-digit number and hundreds. • I can add and subtract a three-digit number and tens (not crossing the hundreds boundary). • I can add and subtract a three-digit number and tens (crossing the hundreds boundary). • I can add and subtract numbers with up to three digits using partitioning. • I can add and subtract numbers with up to three digits using number bonds. • I can add and subtract numbers with up to three digits using rounding and adjusting. • I can estimate the answer to a problem.	Unit 3.13 Addition and Subtraction KEY knowledge/skills • I can represent problems using the bar model. • I can add and subtract numbers mentally. • I can solve addition and subtraction problems. • I can add numbers using formally written methods. • I can subtract numbers using formally written methods. • I can identify when to use mental strategies or a formal written method.
Unit 3.3 Multiplication and Division KEY knowledge/skills • I can represent multiplication and division facts as arrays using a grid and a numberline • I can show division as grouping. • I can solve problems involving multiplication and division. • I can count in multiples of 3s and 4s. • I can write and calculate multiplication and division statements	Unit 3.8 Measurement: Time KEY knowledge/skills • I can recall key facts of time. • I can read the time to the nearest minute. • I can tell and write the time using 12-hour and 24-hour clocks. • I can compare durations of events	Unit 3.14 Multiplication and Division KEY knowledge/skills • I can recall and use multiplication and division facts. • I can solve multiplication and division problems using my known facts. • I can solve multiplication and division problems involving missing number. • I can solve multiplication and division problems involving integer scaling problems. • I can solve multiplication problems using formal written methods.
Unit 3.4 Fractions KEY knowledge/skills • I can recognise, find and write fractions. • I can count up and down in tenths. • I can order and compare fractions with the same denominator. • I can recognise equivalent fractions. • I can order and compare unit fractions and fractions with different denominators.	Unit 3.9 Multiplication and Division KEY knowledge/skills • I can recall and use multiplication and division facts for the 2, 5 and 10 tables. • I can represent and use multiplication and division facts for the 3 times table. • I can represent and use multiplication and division facts for the 4 times table. • I can represent and use multiplication and division facts for the 8 times table. • I can solve problems using multiplication and division. • I can solve problems using division as grouping	Unit 3.14 Fractions KEY knowledge/skills • I can compare and order unit fractions and fractions with the same denominator. • I can recognise and show equivalent fractions. • I can recognise, find and write fractions of a discrete set of objects. • I can add and subtract fractions with the same denominator. • I can solve problems involving fractions
Unit 3.4 Geometry KEY knowledge/skills • I can identify and describe the properties of 2D shapes. • I can draw 2D shapes. • I can identify half and quarter of a given 2D shape. • I can identify and describe the properties of 3D shapes. • I can make 3D shapes	Unit 3.9 Fractions KEY knowledge/skills • I can recognise, find, and write unit fractions of a discrete set of objects. • I can recognise, find, and write non-unit fractions of a discrete set of objects. • I can recognise and use fractions as numbers.	Unit 3.15 Measurement: Money and Time KEY knowledge/skills • I can find totals using different coins and notes. • I can add and subtract amounts of money to give change. • I can tell the time to the nearest minute. • I can compare durations of events.
Unit 3.5 Measurement KEY knowledge/skills • I can derive associated facts for length. • I can measure and compare lengths. • I can add and subtract in the context of length. • I can derive associated facts for mass. • I can measure and compare mass. • I can add and subtract in the context of mass.	Unit 3.10 Number and Place Value Addition and Subtraction with Measurement KEY knowledge/skills • I can represent numbers using different representations. • I can compare and order numbers up to 1000. • I can use representations to show compositions of 100 and 1000. • I can use a number line to estimate and position numbers up to 1000. • I can use key number facts, including number bonds, to solve problems. • I can solve problems involving measure.	Unit 3.16 Measurement: Length KEY knowledge/skills • I can recall and use key facts to 1000 in the context of length. • I can measure, compare, add, and subtract lengths to solve problems. • I can measure and compare perimeter.

	Unit 3.1 Measurement: Time KEY knowledge/skills • I can tell and write the time to five minutes, including quarter past and to the hour. • I can tell and write the time to five minutes and draw hands on a clock face to show these times. • I can tell and write the time from an analogue clock (12 hour)	Unit 3.10 Statistics KEY knowledge/skills • I can solve one-step and two-step questions using information presented in pictograms. • I can solve one-step and two-step questions using information presented in bar charts. • I can solve one-step and two-step questions using information presented in tables	
4	Unit 4.1 Number and Place Value Addition and Subtraction KEY knowledge/skills • I can recognise and represent the place value of digits in a four-digit number. • I can estimate the position of numbers on a number line. • I can position and compare numbers on a number line. • I can find 10, 100 or 1000 more than any given number. • I can count backwards through zero. • I can round any number up to 10,000 to the nearest 10, 100 or 1000. • I can use related facts. • I can use a range of mental strategies when adding and subtracting numbers. • I can solve two-step addition and subtraction problems.	Unit 4.6 Fractions KEY knowledge/skills • I can count in tenths. • I can add and subtract tenths. • I can round decimals to the nearest whole number. • I can count up in hundredths. • I can add and subtract hundredths. • I can count up in fractional steps. • I can add and subtract fractions with the same denominator. • I can recognise decimal and fraction equivalence.	Unit 4.11 Multiplication and Division KEY knowledge/skills • I can recall and use multiplication and division facts. • I can recall and use multiplication and division facts for the 11-multiplication table. • I can recall and use multiplication and division facts for the 12-multiplication table. • I can find the effect of dividing a one-digit number by 10. • I can find the effect of multiplying and dividing by 10. • I can find the effect of multiplying and dividing by 100. • I can solve problems involving multiplication and division. • I can solve problems involving division with remainders
	Unit 4.2 Measurement with Addition and Subtraction KEY knowledge/skills • I can recall key facts in the context of money. • I can find totals using different combinations of coins. • I can add amounts of money. • I can subtract to find change. • I can recall and represent key facts in the context of length. • I can convert between different units of measure. • I can measure and calculate perimeter. • I can solve problems relating to perimeter.	Unit 4.6 Geometry KEY knowledge/skills • I can describe positions of triangles on a grid. • I can compare and classify quadrilaterals. • I can compare angles in different 2-D shapes.	Unit 4.12 Geometry KEY knowledge/skills • I can find the area of rectilinear shapes. • I can compare and order angles. • I can compare and classify quadrilaterals and triangles. • I can compare and classify geometric shapes. • I can find the area of rectilinear shapes. • I can plot specified points and draw sides to complete a given polygon
	Unit 4.3 Multiplication and Division KEY knowledge/skills • I can recall and use multiplication and division facts. • I can recall and use multiplication and division facts for the 6 and 7 multiplication tables. • I can solve problems involving the 6 and 7 multiplication tables. • I can use division facts for the 6 and 7 multiplication tables. • I can solve problems with remainders involving the 6 and 7 multiplication tables.	Unit 4.7 Number and Place Value Addition and Subtraction KEY knowledge/skills • I can compare and order four-digit numbers. • I can round to the nearest multiple of 10. • I can round to the nearest multiple of 100. • I can round to the nearest multiple of 1000. • I can use known facts to support mental strategies. • I can add numbers using formally written methods. • I can subtract numbers using formally written methods. • I can identify when to use mental strategies or a formal written method. • I can solve addition and subtraction two-step problems in context.	Unit 4.13 Addition and Subtraction and Statistics KEY knowledge/skills • I can decide which operations and methods to use and why. • I can solve missing number problems. • I can solve addition and subtraction two-step problems. • I can count backwards through zero to include negative numbers, • I can solve comparison, sum and difference problems.
	Unit 4.4 Fractions KEY knowledge/skills • I can count in fractional steps. • I can solve problems by counting in fractional steps. • I can recognise families of common equivalent fractions. • I can compare fractions and identify equivalence. • I can count up and down in tenths. • I can count up and down in hundredths.	Unit 4.8 Measurement: Time KEY knowledge/skills • I can read and write the time from an analogue clock. • I can calculate durations of time	Unit 4.14 Multiplication and Division KEY knowledge/skills • I can recall and use multiplication and division facts. • I can multiply two-digit numbers by a onedigit number using formal written layout. • I can multiply three-digit numbers by a onedigit number using formal written layout. • I can use the formal written method of short division.

	• I can round decimals to the nearest whole number. • I can add and subtract fractions with the same denominator.		• I can solve problems involving multiplication and division.
	Unit 4.4 Geometry KEY knowledge/skills • I can compare and sort 2D shapes based on their properties. • I can identify acute and obtuse angles. • I can identify the line of symmetry. • I can find the area of shapes by counting squares, • I can describe positions on a 2-D grid as coordinates	Unit 4.9 Multiplication and Division KEY knowledge/skills • I can recall and use multiplication and division facts. • I can multiply three numbers together. • I can use the grid method for multiplication. • I can divide by 1. • I can solve problems involving multiplication. • I can use place value, known and derived facts to multiply and divide mentally. • I can solve multiplication problems using known facts.	Unit 4.14 Fractions KEY knowledge/skills • I can recognise and show equivalent fractions. • I can recognise and write fraction and decimal equivalents. • I can solve problem involving harder fractions to calculate quantities.
	Unit 4.5 Measurement KEY knowledge/skills • I can identify key facts for length. • I can count in fractional steps. • I can accurately read scales to solve problems involving length. • I can solve problems involving adding and subtracting length. • I can identify key facts for mass. • I can accurately read scales to solve problems involving mass. • I can solve problems involving adding and subtracting mass	Unit 4.9 Fractions KEY knowledge/skills • I can find the effect of dividing by 10. • I can solve problems involving fractions to calculate quantities.	Unit 4.15 Measurement: Money and Time KEY knowledge/skills • I can recall key facts. • I can calculate with money. • I can read and write time between analogue and digital 12-hour clocks. • I can read, write and convert time between analogue and digital 24-hour clocks. • I can solve problems involving calculating time intervals.
	Unit 4.5 Time KEY knowledge/skills • I can identify key facts for time. • I can tell the time to the nearest minute. • I can, write and convert time between analogue and digital clocks.	Unit 4.10 Place Value Addition and Subtraction with Statistics KEY knowledge/skills • I can compare and order numbers. • I can position and compare numbers on a number line. • I can recall related facts to 1000. • I can recall related facts to 10,000. • I can solve missing number problems using known facts, • I can solve comparison, sum and difference problems.	Unit 4.16 Measurement: Length KEY knowledge/skills • I can solve simple measure problems involving fractions and decimals. • I can measure and calculate the perimeter of geometric shapes. • I can measure and calculate the perimeter of rectilinear shapes.
5	Unit 5.1 Number and Place Value Addition and Subtraction with Measurement KEY knowledge/skills • I can recognise and represent the place value of digits in a four- and five-digit number. • I can position and compare numbers on a number line. • I can use related facts. I can round any number to the nearest 10, 100, 1000, 10,000 and 100,000. • I can use a range of mental strategies when adding and subtracting numbers. • I can add and subtract mentally with increasingly larger numbers. • I can solve addition and subtraction multistep problems. • I can measure and calculate the perimeter of composite rectilinear shapes. • I can use all four operations to solve problems involving length	Unit 5.6 Fractions KEY knowledge/skills • I can recognise and use tenths and hundredths. • I can recognise and use thousandths. • I can compare fractions. • I can recognise equivalent fractions. • I can round decimals with two decimal places to the nearest whole number and to one decimal place. • I can represent percentages. • I can solve problems which require knowing percentage and decimal equivalents.	Unit 5.12 Multiplication and Division KEY knowledge/skills • I can identify prime numbers. • I can identify factors. • I can recognise and use square numbers and cube numbers. • I can solve problems using my knowledge of factors and multiples, squares and cubes.
	Unit 5.2 Multiplication and Division with Measurement KEY knowledge/skills • I can make links between arrays and area. • I can calculate, compare, and order the area of rectangles. • I can identify multiples and factors. • I can identify prime numbers. • I can multiply and divide by 10 and 100. • I can divide by sharing and grouping. • I can use known facts to estimate.	Unit 5.6 Geometry KEY knowledge/skills • I can recognise and estimate angles. • I can use a protractor to measure angles accurately. • I can use properties of rectangles to deduce missing lengths and angles	Unit 5.13 Geometry KEY knowledge/skills • I can distinguish between regular and irregular polygons. • I can plot points on a coordinate grid in the first quadrant • I can identify, describe and represent the position of a shape following a reflection or translation

	Unit 5.3 Fractions KEY knowledge/skills • I can represent families of common equivalent fractions. • I can compare, order, and find equivalent fractions. • I can add and subtract fractions with the same denominator. • I can add and subtract fractions with denominators of multiples of the same number	Unit 5.7 Addition and Subtraction KEY knowledge/skills • I can add and subtract mentally. • I can choose efficient methods of calculating when adding and subtracting. • I can solve addition and subtraction problems in context.	Unit 5.14 Four Operations KEY knowledge/skills • I can decide which operation and method to use and why. • I can decide which operation and method to use within a context.
	Unit 5.4 Fractions KEY knowledge/skills • I can convert between mixed and improper fractions. • I can find equivalent fractions	Unit 5.7 Fractions KEY knowledge/skills • I can add and subtract fractions. • I can solve measure problems involving fractions and decimals.	Unit 5.15 Addition and Subtraction with Statistics KEY knowledge/skills • I can solve addition and subtraction problem using an efficient method. • I can solve missing number problems. • I can read and interpret information in tables. • I can solve comparison, sum and difference problems using information presented in a line graph.
	Unit 5.4 Time KEY knowledge/skills • I can recall and represent key facts of time. • I can solve problems involving time durations. • I can solve time problems using key facts. • I can read and interpret information in timetables	Unit 5.8 Statistics KEY knowledge/skills • I can count forwards and backwards with positive and negative numbers through zero. • I can interpret negative numbers in context. • I can read and interpret information in a line graph. • I can read and interpret information given within a table.	Unit 5.16 Fractions KEY knowledge/skills • I can compare and order fractions. • I can compare and order mixed numbers on a number line. • I can add and subtract fractions. • I can find a percentage of a number. • I can find a percentage of a number efficiently. • I can recognise percentage and decimal equivalences. • I can solve problems which require knowing percentage and decimal equivalents. • I can multiply proper fractions by whole numbers. • I can multiply proper fractions using knowledge of fraction and decimal equivalents.
	Unit 5.4 Geometry and Measurement KEY knowledge/skills • I can identify properties of geometric shapes. • I can compare and classify geometric shapes. • I can estimate and compare angles using key facts. • I can use reasoning to identify angles within shapes. • I can identify and represent the position of a shape following a reflection. • I can identify, describe and represent the position of a shape following a translation	Unit 5.9 Measurement and Geometry KEY knowledge/skills • I can understand and use approximate equivalences between metric units and common imperial units. • I can solve problems involving measure. • I can identify 3-D shapes from 2-D representations. • I can investigate volume of cubes and cuboids. • I can estimate the volume of cubes and cuboids.	Unit 5.16 Geometry KEY knowledge/skills • I can estimate and compare acute, obtuse and reflex angles. • I can measure given angles accurately. • I can find missing angles using key facts. • I can properties of rectangles to deduce related facts and find missing lengths and angles
	Unit 5.5 Number and Place Value and Measurement with the Four Operations KEY knowledge/skills • I can convert between different units of metric measure (mass). • I can read scales to measure in grams and kilograms. • I can round decimals with two decimals places to the nearest whole number. • I can solve problems in the context of mass. • I can convert between different units of metric measure (capacity). • I can read scales to measure in millilitres and litres. • I can round decimals with two decimals places to the nearest whole number. • I can solve problems in the context of capacity. • I can solve addition and subtraction multistep problems in context, deciding which operations and methods to use and why. • I can use the vocabulary of factor, multiple and prime. • I can solve problems using knowledge of factors and multiples.	Unit 5.9 Fractions KEY knowledge/skills • I can multiply proper fractions by whole numbers. • I can compare and order fraction, decimal and percentage equivalents. • I can solve problems using knowledge of fraction and percentage equivalents. • I can solve problems involving numbers up to three decimal places	Unit 5.17 Multiplication and Division KEY knowledge/skills • I can multiply and divide numbers mentally drawing upon known facts. • I can use the short multiplication method. • I can use the long multiplication method. • I can use the short division method. • I can solve multiplication and division calculating efficiently. • I can solve multiplication and division problems efficiently. • I can identify multiples, factors and prime numbers. • I can recognise and use square number and cube numbers. • I can solve problems involving multiplication and division, including scaling by simple fractions and problems involving simple rates.

	• I can use a formal written method to multiply numbers up to 4-digits. • I can solve problems in context, deciding which methods to use and why.		
		Unit 5.10 Addition and Subtraction KEY knowledge/skills • I can add and subtract, deciding which operations and methods to use and why. • I can solve addition and subtraction problems in context, deciding which operations and methods to use and why. • I can add and subtract fractions.	Unit 5.18 Four Operation and Measurement KEY knowledge/skills • I can estimate and convert units of measure. • I can relate fraction and decimals with measure. • I can solve problems involving measure including scaling. • I can solve problems in the context of measure. • I can calculate the area and perimeter of a range of rectangles. • I can estimate the volume. • I can read and interpret information in timetables
		Unit 5.11 Multiplication and Division KEY knowledge/skills • I can multiply and divide numbers by 10, 100 and 1000. • I can solve problems involving multiplication and division using knowledge of factors and multiples. • I can multiply and divide numbers mentally drawing upon known facts. • I can multiply and divide numbers using a formal written method. • I can solve problems involving multiplication and division. • I can solve problems involving multiplication and division, including scaling by simple fractions.	
6	Unit 6.1 Number and Place Value Addition and Subtraction KEY knowledge/skills • I can partition numbers flexibly. • I can count forwards and backwards from a range of given numbers in multiples of 10, 100 and 1000. • I can estimate the position of numbers on a number line. • I can position and compare numbers on a number line. • I can recall key facts about 1000 and 10,000. • I can round any whole number to a required degree of accuracy. • I can decide which methods to use and why. • I can add and subtract numbers mentally with increasingly larger numbers. • I can solve addition and subtraction multi-step problems in context, deciding which operations and methods to use and why. • I can use the order of operations to carry out calculations. • I can calculate the perimeter and area of shapes. • I can recognise that shapes with the same area can have different perimeters and vice versa. • I can use properties of rectangles to find missing lengths	Unit 6.6 Fractions and Ratio KEY knowledge/skills • I can identify the value of each digit to three decimal places. • I can compare fractions, decimals, and percentages, • I can solve ratio and proportion problems. • I can solve problems using my knowledge of factors and multiples.	Unit 6.12 Multiplication and Division KEY knowledge/skills • I can identify common factors and multiples. • I can identify prime numbers. • I can recognise and use prime numbers, prime factors and composite numbers. • I can recognise and use square numbers and cube numbers, • I can solve problems using my knowledge of factors and multiples, squares and cubes. • I can solve problems involving multiplication and division. • I can find different ways to solve a problem.
	Unit 6.2 Multiplication and Division KEY knowledge/skills • I can calculate the area of rectangles, drawing upon known multiplication facts. • I can use related facts when dividing. • I can identify common multiples. • I can identify common factors. • I can identify prime numbers. • I can multiply and divide by 10, 100 and 1000. • I can multiply numbers up to 4-digits by 1-digit whole numbers using a formal written method. • I can multiply numbers up to 4-digits by 2-digit whole numbers using a formal written method of long multiplication.	Unit 6.6 Geometry and Measurement KEY knowledge/skills • I can interpret pie charts. • I can interpret pie charts and use these to solve problems. • I can draw angles using a protractor. • I can find missing angles.	Unit 6.13 Statutory Tests

• I can solve problems in the context of multiplication. • I can divide numbers up to 4-digits by a 1-digit whole number using a formal written method. • I can divide numbers up to 4-digits by a 2-digit whole number using a formal written method of long division. • I can solve problems in the context of division.		
Unit 6.3 Fractions KEY knowledge/skills • I can represent fractions. • I can compare and order fractions. • I can add and subtract fractions with the same denominator and multiples of the same number. • I can add and subtract fractions with different denominators. • I can recall and use equivalences between simple fractions and percentages	Unit 6.7 Addition and Subtraction (Fractions) with Algebra KEY knowledge/skills • I can use estimation to check answers and determine reasonableness. • I can perform mental calculations. • I can describe and generate linear number sequences. • I can solve problems involve the calculation and conversion of units of measure. • I can add and subtract fractions	Unit 6.14 Fractions KEY knowledge/skills • I can find equivalent fractions. • I can add and subtract fractions with different denominators. • I can multiple simple pairs of proper fractions. • I can divide fractions by whole numbers
Unit 6.4 Percentages KEY knowledge/skills • I can understand that per cent relates to “number of parts per hundred”. • I can calculate percentages of amounts.	Unit 6.8 Statistics KEY knowledge/skills • I can use negative numbers in context. • I can interpret line graphs and use these to solve problems. • I can calculate the mean as an average.	Unit 6.15 Four Operations and Algebra KEY knowledge/skills • I can perform mental calculations. • I can solve addition and subtraction problem using efficient methods. • I can use negative numbers in context. • I can use simple formulae. • I can find pairs of numbers that satisfy number sentences involving two unknowns. • I can express missing number problems algebraically
Unit 6.4 Time KEY knowledge/skills • I can read and interpret information in timetables. • I can use a number line to calculate duration of time. • I can solve problems involving time.	Unit 6.9 Measurement KEY knowledge/skills • I can understand and use equivalences between metric and common imperial units. • I can calculate, estimate and compare volume of cubes and cuboids. • I can read scales.	Unit 6.16 Fractions with Geometry Ratio and Proportion KEY knowledge/skills • I can compare and order fractions greater than 1. • I can divide proper fractions by whole numbers. • I can recall and use equivalences between fractions, decimals and percentages, • I can draw 2-D shapes given dimensions and angles. • I can find unknown angles. • I can build 3-D shapes • I can draw 2-D shapes according to ratio. • I can solve problems involving scaling. • I can solve problems using metric and imperial equivalences. • I can solve problems involving the calculation of percentages. • I can interpret pie charts and use these to solve problems. • I can construct pie charts. • I can interpret pie charts and line graphs and use these to solve problems. • I can calculate and interpret the mean.
Unit 6.4 Geometry KEY knowledge/skills • I can illustrate and name parts of circles. • I can draw 2-D shapes using given dimensions and angles. • I can recognise, describe and build simple 3-D shapes, including making nets. • I can describe positions on the full coordinate grid. • I can draw and translate simple shapes in the coordinate plane	Unit 6.9 Algebra KEY knowledge/skills • I can express missing number problems algebraically. • I can use simple formulae. • I can use simple formulae to complete number sequences. • I can recognise when it is possible to use formulae for area and volume of shapes.	Unit 6.17 Multiplication and Division KEY knowledge/skills • I can use formal written methods for multiplication. • I can use formal written methods for division. • I can interpret remainders as appropriate. • I can solve problems using multiplication and division. • I can express missing number problems algebraically

	Unit 6.5 Number and Place Value and Measurement with the Four Operations KEY knowledge/skills • I can round any whole number to a required degree of accuracy. • I can use, read, write and convert between grams and kilograms. • I can solve problem involving mass. • I can use, read, write and convert between litres and millilitres. • I can solve problems involving capacity. • I can understand and use equivalences between metric units and common imperial units. • I can identify common factors, common multiples, and prime numbers. • I can solve problems involving multiplication using knowledge of factors. • I can use mathematical reasoning to solve problems including the four operations. • I can express missing number problems algebraically. • I can find all possibilities of combinations of two variables.	Unit 6.10 Four Operations with Statistics KEY knowledge/skills • I can identify factors, multiples, square, cube and prime numbers. • I can use knowledge of the order of operations to carry out calculations. • I can express number problems algebraically. • I can multiply numbers with two decimal places by whole numbers. • I can use short division where the answer has a decimal answer. • I can solve problems involving calculation and conversion of units of measure. • I can calculate and interpret the mean. • I can interpret and construct line graphs and use these to solve problems. • I can interpret and construct pie charts and use these to solve problems.	Unit 6.18 Measurement KEY knowledge/skills • I can solve problems involving measure. • I can recognise shapes with same areas can have different perimeters, and vice versa. • I can calculate areas of parallelograms and triangles. • I can calculate, estimate and compare volume.
		Unit 6.11 Geometry KEY knowledge/skills • I can find unknown angles. • I can reason by giving examples. • I can draw and translate shapes. • I can describe positions on the full coordinate grid.	
		Unit 6.11 Fractions KEY knowledge/skills • I can multiply pairs of proper fractions. • I can divide fractions by whole numbers.	