Unit 1		
Num	Geometry -	
Number & place value	Addition & subtraction	Properties of shapes

Unit 5		
Num	Geometry -	
Number & place value	Addition & subtraction	Properties of shapes

Unit 9		
Number -		Geometry-
Number & place value	Addition & subtraction	Properties of shapes

	Unit 2	
Number -		Geometry -
Multiplication & division	Fractions	Position & direction

	Unit 6	
Num	ber -	Measurement
Multiplication & division	Fractions	(length)

Unit 10			
Number		Measurement	
Multiplication & division including Measurement (money)	Fractions	(volume & capacity)	

	Unit 3	
Num	ber-	Measurement
Addition & subtraction	Decimals	(mass)

Unit 7		
Number-		Statistics
Decimals	Addition & subtraction	

Unit 11		
Num	ber-	Geometry-
Addition & subtraction including Measurement (money)	Percentages (including fractions and decimals)	Position & direction

	Unit 4	
Num	ber -	Measurement (time)
Multiplication & division	Multiplication & division	(unite)

	Unit 8	
Num Multiplication & division	Percentages (including fractions and decimals)	Measurement (perimeter & area)

Unit 12		
Num	ber -	Statistics
Multiplication & division including <i>Measurement</i> (money)	Multiplication & division including <i>Measurement</i> (money)	

Number – Number and place value Unit 1 Number – Addition and subtraction Geometry – Properties of shapes		
National Curriculum attainment targets Pupils should be taught to:	Lesson objectives Pupils will be taught to:	Lesson
Number - Number and place value	Week 1	
<ul> <li>read, write, order and compare numbers to at least 1 000000 and determine the value of each digit</li> </ul>	Read and write numbers to 100 000 and determine the value of each digit	1
<ul> <li>count forwards or backwards in steps of powers of 10 for any given number up to 1000000</li> </ul>	Order and compare numbers to 100 000 and determine the value of each digit	2
• round any number up to 1000000 to the nearest 10,	Count forwards and backwards in steps 10 and 100	3
100 and 1000	Round numbers up to 100 000 to the nearest 10, 100 and 1000	4
Number - Addition and subtraction	Week 2	
<ul> <li>add and subtract numbers mentally with</li> </ul>	Add numbers mentally	1
<ul> <li>increasingly large numbers</li> <li>solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why</li> </ul>	Subtract numbers mentally	2
	Subtract numbers mentally	3
	Solve addition and subtraction multi-step problems, deciding which operations and methods to use and why	4
Geometry – Properties of shapes	Week 3	
• identify 3-D shapes, including cubes and other	Identify 3-D shapes with parallel or perpendicular faces or edges	1
cuboids, from 2-D representations	Use properties to identify 3-D shapes from 2-D representations	2
	Visualise from the front, side and top 2-D representations of 3-D shapes made with interlocking cubes	3
	Investigate and identify 3-D shapes which can be made using interlocking cubes	4

Number – Multiplication and division Unit 2 Number – Fractions Geometry – Position and direction		
National Curriculum attainment targets Pupils should be taught to:	Lesson objectives Pupils will be taught to:	Lesson
Number - Multiplication and division	Week 1	
multiply and divide numbers mentally drawing	Multiply numbers mentally drawing upon known facts	1
upon known facts	Multiply whole numbers by 10, 100 and 1000	2
multiply and divide whole numbers by 10, 100 and 1000	Multiply numbers mentally drawing upon known facts	3
1000	Multiply and divide numbers mentally drawing upon known facts     Multiply whole numbers by 10 and 100	4
Number – Fractions	Week 2	
compare and order fractions whose denominators	• Find fractions of numbers and quantities using fractions as operators	1
are all multiples of the same number     identify, name and write equivalent fractions of a given fraction, represented visually, including tenths	Practise counting forwards and backwards in simple fractions     Recognise fraction sequences and find the term to term rule	2
and hundredths  • develop their understanding of fractions as	Identify, name and write equivalent fractions of a given fraction, represented visually	3
numbers, measures and operators by finding fractions of numbers and quantities * • practise counting forwards and backwards in simple	Compare and order fractions whose denominators are all multiples of the same number	4
fractions *		
recognise and describe linear number sequences, including those involving fractions and find the term-to- term rule * [Domain: Number – Number and place value]		
Geometry – Position and direction	Week 3	
identify, describe and represent the position of a shape following a translation, using the appropriate	Recognise where a shape will be after a translation on a 2-D grid and know that the shape has not changed	1
language, and know that the shape has not changed	Translate two or more shapes to make a tiling pattern on a 2-D grid	2
	Create 2-D shapes which following translations to the left/right and up/down form a tiling pattern	3
	Identify, describe and represent the position of a shape following a translation in the first quadrant of a coordinate grid and know that the shape has not changed	4

<sup>\*</sup> Notes and guidance (non-statutory)

Number – Addition and subtraction Unit 3 Number – Decimals Measurement (mass)		
National Curriculum attainment targets Pupils should be taught to:	Lesson objectives Pupils will be taught to:	Lesson
Number – Addition and subtraction	Week 1	
• add whole numbers with more than 4 digits, including	Add numbers mentally	1
using formal written methods (columnar addition)  add numbers mentally with increasingly large numbers	Add whole numbers with five digits using the formal written method     Estimate and check the answer to a calculation	2
use rounding to check answers to calculations and determine, in the context of a problem, levels of	Add whole numbers with five digits using the formal written method     Estimate and check the answer to a calculation	3
accuracy	Add whole numbers with five digits using the formal written method     Use rounding to check answers to calculations	4
Number – Decimals	Week 2	
read and write decimal numbers as fractions [for	Read and write decimal numbers as fractions	1
example, $0.71 = \frac{7}{10} \cdot \frac{1}{0} \cdot \frac{1}{0}$ ] • round decimals with two decimal places to the nearest whole number and to one decimal place • practise adding decimals, including complements of 1 (for example, $0.83 + 0.17 = 1$ ) * •recognise and describe linear number sequences involving decimals, and find the term-to-term rule* [Domain: Number – Number and place value]	Round decimals with two decimal places to the nearest whole number     Add complements of 1	2
	Round decimals with two decimal places to one decimal place	3
	Recognise and describe linear number sequences involving decimals, and find the rule	4
Measurement (mass)	Week 3	
<ul> <li>convert between different units of metric measure (for example, gram and kilogram)</li> </ul>	Use knowledge of place value, multiplication and division to convert between units of mass (gram and kilogram)	1
<ul> <li>understand and use approximate equivalences between metric units and common imperial units such as pounds</li> <li>use all four operations to solve problems involving measure [for example, mass] using decimal notation, including scaling</li> </ul>	Know and use approximate equivalences between metric units of mass (kilograms and grams) and common imperial units (pounds)	2
	Use all four operations to solve problems involving mass using decimal notation	3
	Use all four operations to solve problems involving mass using decimal notation, including scaling	4

<sup>\*</sup> Notes and guidance (non-statutory)

Number – Multiplication and division Unit 4 Number – Multiplication and division Measurement (time)		
National Curriculum attainment targets Pupils should be taught to:	Lesson objectives Pupils will be taught to:	Lesson
Number – Multiplication and division	Week 1	
<ul> <li>identify multiples and factors, including finding all factor pairs of a number, and common factors of two numbers</li> </ul>	Recognise and use square numbers and cube numbers, and the notation for squared (²) and cubed (³)	1
multiply numbers up to 4 digits by a one-digit number using a formal written method	Use the formal written method of short multiplication to calculate ThHTO x O	2
<ul> <li>multiply and divide numbers mentally drawing upon known facts</li> </ul>	Total did did did did did did did did did di	
<ul> <li>multiply whole numbers by 10, 100 and 1000</li> <li>recognise and use square numbers and cube numbers.</li> </ul>	Identify multiples and factors, including finding all factor pairs of a number, and common factors of two numbers	3
and the notation for squared (²) and cubed (³)  • solve problems involving multiplication and division including using their knowledge of squares and cubes	Solve problems involving addition, subtraction, multiplication and division and a combination of these, including understanding the meaning of the equals sign	4
<ul> <li>solve problems involving addition, subtraction, multiplication and division and a combination of these, including understanding the meaning of the equals sign</li> </ul>		
Number – Multiplication and division	Week 2	
<ul> <li>identify multiples and factors, including finding all factor pairs of a number, and common factors of two numbers</li> </ul>	<ul> <li>Know and use the vocabulary of prime numbers, prime factors and composite (non-prime) numbers</li> <li>Establish whether a number up to 100 is prime and recall prime</li> </ul>	1
<ul> <li>know and use the vocabulary of prime numbers, prime factors and composite (non-prime) numbers</li> </ul>	numbers up to 19	
establish whether a number up to 100 is prime and	• Divide whole numbers by 10, 100 and 1000	2
recall prime numbers up to 19	Divide numbers mentally drawing upon known facts	3
<ul><li>divide numbers mentally drawing upon known facts</li><li>divide whole numbers by 10, 100 and 1000</li></ul>	Solve problems involving multiplication and division including using their knowledge of factors and multiples	4
<ul> <li>solve problems involving multiplication and division including using their knowledge of factors and multiples</li> </ul>		
Measurement (time)	Week 3	
solve problems involving converting between units of	Solve problems involving converting between units of time	1
time  use all four operations to solve problems involving measure, including scaling	Solve problems involving converting between units of time to calculate durations of time	2
	Use all four operations in problems involving time, including conversions (for example, days to weeks, expressing the answer as weeks and days)	3
	Use all four operations to solve problems involving time, including scaling	4

Number – Number and place value Unit 5 Number – Addition and subtraction Geometry – Properties of shapes		
National Curriculum attainment targets Pupils should be taught to:	Lesson objectives Pupils will be taught to:	Lesson
Number - Number and place value	Week 1	
<ul> <li>read, write, order and compare numbers to at least 1000000 and determine the value of</li> </ul>	Read, write, order and compare numbers up to 1 000 000 and determine the value of each digit	1
<ul> <li>each digit</li> <li>count forwards or backwards in steps of powers of 10 for any given number up to 1000000</li> </ul>	<ul> <li>Count forwards and backwards in steps of 10, 100 and 1000</li> <li>Round any number up to 1 000 000 to the nearest 10, 100 and 1000</li> </ul>	2
interpret negative numbers in context, count forwards and backwards with positive and	Count backwards through zero with negative numbers     Interpret negative numbers in context	3
regative whole numbers, including through zero round any number up to 1000000 to the nearest 10, 100, 1000, 10000 and 100000 solve number problems and practical problems that involve all of the above	Solve negative number problems	4
Number - Addition and subtraction	Week 2	
subtract whole numbers with more than 4 digits, including using formal written methods (columnar subtraction)	Subtract numbers mentally     Subtract whole numbers with five digits using the formal written	1 2
subtract numbers mentally with increasingly large numbers	method (decomposition)  • Estimate and check the answer to a calculation	
use rounding to check answers to calculations and determine, in the context of a problem, levels of accuracy practise adding and subtracting decimals, including a mix of whole numbers and decimals  [Domain: Number – Fractions (including decimals and percentages)]	Subtract whole numbers with five and six digits using the formal written method (decomposition)     Use rounding to check answers	3
	Add and subtract decimals to two decimal places using the formal written method	4
Geometry – Properties of shapes	Week 3	
<ul> <li>know angles are measured in degrees: estimate and compare acute, obtuse and reflex angles</li> <li>draw given angles, and measure them in degrees (°)</li> <li>identify: <ul> <li>angles at a point and one whole turn (total 360°)</li> <li>angles at a point on a straight line and ½ a turn (total 180°)</li> <li>other multiples of 90°</li> </ul> </li> </ul>	Know angles are measured in degrees: estimate, compare and measure with a protractor acute, obtuse and reflex angles	1
	Use a protractor to measure and draw angles to the nearest 5°	2
	Make accurate drawings of given angles, drawing lines with a ruler to the nearest millimetre and measuring angles to the nearest degree	3
	• Identify angles at a point and one whole turn (total 360°), angles at a point on a straight line and $\frac{1}{2}$ a turn (total 180°), other multiples of 90°	4

<sup>\*</sup> Notes and guidance (non-statutory)

Number – Multiplication and division Unit 6 Number – Fractions Measurement (length)		
National Curriculum attainment targets Pupils should be taught to:	Lesson objectives Pupils will be taught to:	Lesson
Number - Multiplication and division	Week 1	
divide numbers up to 4 digits by a one-digit number using the formal written method of short division	• Use the formal written method of short division to calculate HTO $\div$ O • Estimate and check the answer to a calculation	1
<ul><li>and interpret remainders appropriately for the context</li><li>solve problems involving addition, subtraction,</li></ul>	Use the formal written method of short division to calculate HTO ÷ O with a fraction remainder     Estimate and check the answer to a calculation	2
multiplication and division and a combination of these, including understanding the meaning of the equals sign	Use the formal written method of short division to calculate HTO ÷ O with a decimal remainder     Estimate and check the answer to a calculation	3
	Solve division problems including answers that involve rounding remainders up or down	4
Number – Fractions	Week 2	
compare and order fractions whose denominators are all multiples of the same number	Recognise and use thousandths and relate them to tenths and hundredths	1
<ul> <li>add and subtract fractions with the same denominator and denominators that are multiples of</li> </ul>	Compare and order fractions whose denominators are all multiples of the same number	2
the same number  recognise and use thousandths and relate them to	<ul> <li>Add fractions with the same denominator and denominators that are multiples of the same number</li> </ul>	3
tenths and hundredths	Subtract fractions with the same denominator and denominators that are multiples of the same number	4
Measurement (length)	Week 3	
<ul> <li>convert between different units of metric measure (for example, kilometre and metre; centimetre and metre; centimetre and millimetre)</li> </ul>	<ul> <li>Use knowledge of place value, multiplication and division to convert between units of length (kilometre and metre; centimetre and metre; centimetre and millimetre)</li> </ul>	1
<ul> <li>understand and use approximate equivalences between metric units and common imperial units</li> </ul>	Know and use approximate equivalences between metric units of length (centimetres) and common imperial units (inches)	2
such as inches  use all four operations to solve problems involving	Use all four operations to solve problems involving length using decimal notation	3
measure [for example, length] using decimal notation, including scaling	Use all four operations to solve problems involving length using decimal notation, including scaling	4

Number – Decimals Unit 7 Number – Addition and subtraction Statistics		
National Curriculum attainment targets Pupils should be taught to:	Lesson objectives Pupils will be taught to:	Lesson
Number – Percentages, decimals and fractions	Week 1	
read and write decimal numbers as fractions     recognise and use thousandths and relate them to	Recognise and use thousandths and relate them to tenths, hundredths and decimal equivalents	1
tenths, hundredths and decimal equivalents - round decimals with two decimal places to the nearest	Read, write, order and compare numbers with up to three decimal places	2
whole number and to one decimal place  read, write, order and compare numbers with up to three decimal places  solve problems involving number up to three decimal	Read, write, order and compare numbers with up to three decimal places Round decimals with two decimal places to the nearest whole number and to one decimal place	3
places	Solve problems involving number up to three decimal places	4
Number – Addition and subtraction	Week 2	
mentally add and subtract tenths, and one-digit	Add decimals with one and two decimal places mentally	1
whole numbers and tenths *	Subtract decimals with one and two decimal places mentally	2
practise adding and subtracting decimals, including a mix of whole numbers and decimals,	Add and subtract a mix of whole numbers and decimals	3
decimals with different numbers of decimal places, and complements of 1 [for example, 0.83 + 0.17 = 1]*  * [Domain: Number – Fractions (including decimals and percentages)]	Add and subtract decimals with different numbers of decimal places	4
Statistics	Week 3	
solve comparison, sum and difference problems using information presented in a line graph	Solve comparison, sum and difference problems using information presented in a line graph	1
<ul> <li>complete, read and interpret information in tables, including timetables</li> </ul>	Solve comparison, sum and difference problems using information presented in a line graph	2
	Complete, read and interpret information in tables, including timetables	3
	Connect work on coordinates and scales to interpreting information in time graphs	4

Number – Multiplication and division Unit 8 Number – Percentages (including fractions Measurement (perimeter and area)	s and decimals)	
National Curriculum attainment targets Pupils should be taught to:	Lesson objectives Pupils will be taught to:	Lesson
Number - Multiplication and division	Week 1	
multiply numbers up to 4 digits by a one- or two- digit number using a formal written method,	<ul><li>Use partitioning to calculate TO x TO</li><li>Estimate and check the answer to a calculation</li></ul>	1
including long multiplication for two-digit numbers solve problems involving addition, subtraction,	Use partitioning and the grid method to calculate TO x TO     Estimate and check the answer to a calculation	2
multiplication and division and a combination of these, including understanding the meaning of the equals sign	Use the expanded written method of long multiplication to calculate TO x TO     Estimate and check the answer to a calculation	3
	Solve problems involving addition, subtraction, multiplication and division	4
Number – Percentages (including fractions and decimals)	Week 2	
recognise the per cent symbol (%) and understand that per cent relates to 'number of parts per hundred', and write percentages as a	<ul> <li>Recognise the per cent symbol (%) and understand that per cent relates to 'number of parts per hundred'</li> <li>Write percentages as a fraction with a denominator of 100</li> </ul>	1
fraction with denominator 100, and as a decimal solve problems which require knowing percentage and decimal equivalents of $\frac{1}{2}$ , $\frac{1}{4}$ , $\frac{1}{5}$ ,	Recognise the per cent symbol (%) and understand that per cent relates to 'number of parts per hundred'     Write percentages as a decimal with two places	2
$\frac{2}{5}$ , $\frac{4}{5}$ and those fractions with a denominator of	Know percentage equivalents of certain fractions	3
a multiple of 10 and 25  make connections between percentages, fractions and decimals *	Solve problems involving percentages	4
Measurement (perimeter and area)	Week 3	
measure and calculate the perimeter of composite rectilinear shapes in centimetres and metres     calculate and compare the area of rectangles	• Measure and calculate the perimeter $P$ of composite rectilinear shapes in centimetres and metres, including using the rule $P = 2(a + b)$ where a and b are the dimensions of the sides in the same unit	1
(including squares), and including using standard units, square centimetres (cm²) and square metres (m²) and estimate the area of irregular shapes	• Calculate and compare the area $A$ of rectangles (including squares), using standard units, square centimetres (cm²) and square metres (m²), and using the rule $A = a \times b$ ; and estimate the area of irregular shapes	2
	Use the relations of perimeter or area to find unknown lengths	3
	Calculate the area of irregular shapes formed from rectangles	4

<sup>\*</sup> Notes and guidance (non-statutory)

Number – Number and place value Unit 9 Number – Addition and subtraction Geometry – Properties of shapes		
National Curriculum attainment targets Pupils should be taught to:	Lesson objectives Pupils will be taught to:	Lesson
Number – Number and place value	Week 1	
• read, write, order and compare numbers to at least 1 000000 and determine the value of each digit	Read, write, order and compare numbers to 1 000 000 and determine the value of each digit	1
count forwards or backwards in steps of powers of 10 for any given number up to 1000000     round any number up to 1000000 to the nearest 10, 100, 1000, 10000 and 100000	<ul> <li>Count forwards and backwards in steps of 100, 1000, 10000 and 100 000</li> <li>Round any number up to 1 000 000 to the nearest 10 000 and 100 000</li> </ul>	2
solve number problems and practical problems	Solve number problems	3
that involve all of the above  read Roman numerals to 1000 (M) and recognise years written in Roman numerals	Read Roman numerals to 1000 (M)     Recognise years written in Roman numerals	4
Number – Addition and subtraction	Week 2	
add and subtract whole numbers with more than	Add and subtract mentally whole numbers and decimals	1
4 digits, including using formal written methods (columnar addition and subtraction)  • practise adding and subtracting decimals,	Add whole numbers with five and six digits using the formal written method     Use rounding to check answers to calculations	2
including a mix of whole numbers and decimals * [Domain: Number – Fractions (including decimals and percentages)	Subtract whole numbers with five and six digits using the formal written method (decomposition)     Use rounding to check answers to calculations	3
add and subtract numbers mentally with increasingly large numbers     use rounding to check answers to calculations and determine, in the context of a problem, levels of accuracy     solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why	Solve multi-step problems involving number and money, including some multiplication and division, deciding which operations to use and why	4
Geometry – Properties of shapes	Week 3	
use the properties of rectangles to deduce related facts and find missing lengths and angles	Use the properties of rectangles to deduce related facts and find missing lengths and angles	1
distinguish between regular and irregular polygons based on reasoning about equal sides and angles     use angle sum facts and other properties to make deductions about missing angles and relate these to	<ul> <li>Use the term diagonal and make conjectures about the angles formed between sides, and between diagonals and parallel sides, and other properties of quadrilaterals; use conventional markings for parallel lines and right angles</li> </ul>	2
missing number problems * • use the term diagonal and make conjectures about the	Distinguish between regular and irregular polygons based on reasoning about equal sides and angles	3
angles formed between sides, and between diagonals and parallel sides, and other properties of quadrilaterals*  • use conventional markings for parallel lines and right angles *	Use angle sum facts and other properties to make deductions about missing angles and relate these to missing number problems	4

<sup>\*</sup> Notes and guidance (non-statutory)

Number – Multiplication and division, inclu Unit 10 Number – Fractions Measurement (volume and capacity)	ding Measurement (money)	
National Curriculum attainment targets Pupils should be taught to:	Lesson objectives Pupils will be taught to:	Lessor
Number – Multiplication and division  • multiply and divide numbers mentally drawing upon known facts	Week 1  • Use the most efficient method to calculate ThHTO x O and ThHTO ÷ O  • Estimate and check the answer to a calculation	1
<ul> <li>multiply and divide whole numbers and those involving decimals by 10, 100 and 1000</li> <li>solve problems involving multiplication and division,</li> </ul>	Multiply and divide whole numbers and those involving decimals by 10, 100 and 1000	2
including scaling by simple fractions and problems involving simple rates	Multiply numbers mentally drawing upon known facts     Multiply TO x TO using factors	3
Measurement (money)  • use all four operations to solve problems involving measure [for example, money] using decimal notation, including scaling	Solve problems involving multiplication and division, including scaling by simple fractions and problems involving simple rates     Use all four operations to solve problems involving money using decimal notation, including scaling	4
Number – Fractions	Week 2	
<ul> <li>recognise mixed numbers and improper fractions and convert from one form to the other and write mathematical statements &gt; 1 as a mixed number</li> <li>[for example, <sup>2</sup>/<sub>5</sub> + <sup>6</sup>/<sub>5</sub> = <sup>6</sup>/<sub>5</sub> = 1<sup>1</sup>/<sub>5</sub>]</li> <li>multiply proper fractions and mixed numbers by whole numbers, supported by materials and diagrams</li> <li>connect equivalent fractions &gt; 1 that simplify to</li> </ul>	Recognise mixed numbers and improper fractions and convert from one form to the other     Write mathematical statements > 1 as a mixed number	1
	<ul> <li>Recognise mixed numbers and improper fractions and convert from one form to the other</li> <li>Connect fractions &gt; 1 that simplify to integers with division and other fractions &gt; 1 to division with remainders</li> </ul>	2
integers with division and other fractions > 1 to division with remainders, using the number line and	Multiply proper fractions by whole numbers	3
other models, and hence move from these to improper and mixed fractions *	Multiply mixed numbers by whole numbers	4
Measurement (volume and capacity)	Week 3	
convert between different units of metric measure (for example litre and millilitre)	Use knowledge of place value, multiplication and division to convert between units of capacity (litre and millilitre)	1
<ul> <li>understand and use approximate equivalences between metric units and common imperial units such as pints</li> </ul>	Know and use approximate equivalences between metric units of capacity (litres) and common imperial units (pints), and estimate capacity	2
• estimate volume [for example, using 1 cm³ blocks to	Estimate volume using 1 cm³ blocks to build cuboids (including cubes)	3
build cuboids (including cubes)] and capacity [for example, using water]  • use all four operations to solve problems involving measure [for example volume] using decimal notation, including scaling	Use all four operations to solve problems involving volume and capacity using decimal notation, including scaling	4

<sup>\*</sup> Notes and guidance (non-statutory)

Number – Addition and subtraction, including Unit 11 Number – Percentages (including fractions Geometry – Position and direction		
National Curriculum attainment targets Pupils should be taught to:	Lesson objectives Pupils will be taught to:	Lesson
Number - Addition and subtraction	Week 1	
add and subtract whole numbers with more than 4	Add and subtract mentally whole numbers and decimals	1
digits, including using formal written methods (columnar addition and subtraction)  add and subtract numbers mentally with increasingly large numbers	Add whole numbers with up to six digits using the formal written method     Use rounding to check answers to calculations	2
use rounding to check answers to calculations and determine, in the context of a problem, levels of accuracy     solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why	Subtract whole numbers with up to six digits using the formal written method (decomposition)     Use rounding to check answers to calculations	3
Measurement (money)		
use all four operations to solve problems involving measure [for example, money] using decimal notation, including scaling	<ul> <li>Solve multi step problems involving number and money, including some multiplication and division, deciding which operations to use and why</li> </ul>	4
Number – Percentages (including fractions and decimals)	Week 2	
Recognise the per cent symbol (%) and understand	Know percentage and decimal equivalents of fractions	1
that per cent relates to "number of parts per hundred", and write percentages as a fraction with denominator	Find percentages of amounts     Calve mark large involving respectators.	2
100, and as a decimal	Solve problems involving percentages     Solve percentage problems	3
• solve problems which require knowing percentage	Solve problems involving percentages	
and decimal equivalents of $\frac{1}{2}$ , $\frac{1}{4}$ , $\frac{1}{5}$ , $\frac{2}{5}$ , $\frac{4}{5}$ , and those fractions fractions with a denominator of a multiple of 10 or 25 • make connections between percentages, fractions and decimals *	Solve problems involving percentages	4
Geometry – Position and direction	Week 3	
identify, describe and represent the position of a shape following a reflection, using the appropriate	Recognise and use reflection in a variety of diagrams, including continuing to use a 2-D grid	1
language, and know that the shape has not changed	Recognise where a shape will be after a reflection in given mirror lines and know that the shape has not changed	2
	Reflect a 2-D shape using coordinates in the first quadrant and lines that are parallel to the axes	3
	<ul> <li>Identify, describe and represent the position of a shape following a reflection in two mirror lines at right angles and parallel to the axes in the first quadrant</li> </ul>	4

<sup>\*</sup> Notes and guidance (non-statutory)

National Curriculum attainment targets Pupils should be taught to:	<b>Lesson objectives</b> Pupils will be taught to:	Lesson
Number – Multiplication and division	Week 1	
multiply numbers up to 4 digits by a two-digit number using a formal written method, including long multiplication for two-digit numbers	Use partitioning to calculate HTO x TO     Estimate and check the answer to a calculation	1
divide numbers up to 4 digits by a one-digit number using the formal written method of short division	Use partitioning and the grid method to calculate HTO x TO     Estimate and check the answer to a calculation	2
<ul> <li>and interpret remainders appropriately for the context</li> <li>solve problems involving addition, subtraction,</li> </ul>	Use the expanded written method of long multiplication to calculate HTO x TO     Estimate and check the answer to a calculation	3
<ul> <li>solve problems involving addition, subtraction, multiplication and division and a combination of these, including understanding the meaning of the equals sign</li> <li>solve problems involving multiplication and division, including scaling by simple fractions and problems involving simple rates</li> </ul>	Solve problems involving addition, subtraction, multiplication and division 4 and a combination of these, including understanding the meaning of the equals sign     Use all four operations to solve problems involving money using decimal notation, including scaling	4
Measurement (money)	Week 2	
<ul> <li>use all four operations to solve problems involving measure [for example money] using decimal notation, including scaling</li> </ul>	Use the formal written method of short division to calculate ThHTO ÷ O (decimal remainder)     Estimate and check the answer to a calculation	1
	Use the formal written method of short division to calculate ThHTO ÷ O (fraction remainder)     Estimate and check the answer to a calculation	2
	Use the formal written method of short division to calculate ThHTO ÷ O (rounding remainders)     Estimate and check the answer to a calculation	3
	Use all four operations to solve problems involving money using decimal notation, including scaling	4
Statistics	Week 3	
solve comparison, sum and difference problems using information presented in a line graph	Solve comparison, sum and difference problems using information presented in a line graph	1
<ul> <li>complete, read and interpret information in tables</li> </ul>	Complete, read and interpret information in tables	2
	Connect work on coordinates and scales to interpreting information in time graphs	3
	Complete, read and interpret information in tables and begin to decide which representations of data are most appropriate and why	4