Half Term 1(8 weeks)	Number		Geometry/Measurement/Statistics N.B Where possible link data handling to cross-curricular learning e.g. Science/Geography/PE
Mental/Oral – on-going skills needed	On-going skills	Half-termly focus	
Perform mental calculations including with mixed operations and large numbers

Round any whole number to a required degree of accuracy

Use negative numbers in context, and calculate intervals across zero

Identify common factors, multiples and prime numbers

Read, write, order and compare numbers up to 10 000 000 and determine the value of each digit

Solve number and practical problems that involve all of the above. | Multiply multi-digit numbers up to 4 digits by a two digit whole number using the formal written method of long multiplication

Divide numbers up to 4 digits by a two digit number using the formal written method of long division, and interpret remainders as whole number remainders, fractions, or by rounding, as appropriate for the context

Divide numbers up to 4 digits by a two digit number using the formal written method of short division where appropriate, interpreting remainders according to context

Recall and use equivalences between simple fractions, decimals and percentages including in different contexts. | Use their knowledge of the order of operations to carry out operations involving the four operations

Solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why

Multiply one digit numbers with up to two decimal places by whole numbers

Use written division methods in cases where the answer has up to two decimal places

Solve problems which require answers to be rounded to specified degrees of accuracy

Compare and order fractions, including fractions > 1

Use common factors to simplify fractions; use common multiples to express fractions in the same denomination | Solve problems involving the calculation and conversion of units of measure, using decimal notation up to three decimal places where appropriate

Solve problems involving the calculation and conversion of units of measure, using decimal notation up to three decimal places where appropriate

Convert between miles and kilometres |

Half Term 2 (7 weeks)	Number		Geometry/Measurement/Statistics
			N.B Where possible link data handling to cross-curricular learning e.g. Science/Geography/PE
Mental/Oral – on-going skills needed	On-going skills	Half-termly focus	
Perform mental calculations including with mixed operations and large numbers Round any whole number to a required degree of accuracy Use negative numbers in context, and calculate intervals across zero Identify common factors, multiples and prime numbers Read, write, order and compare numbers up to 10 000 000 and determine the value of each digit Identify the value of each digit in numbers given to three decimal places and multiply and divide numbers by 10, 100, and 1000 giving answers up to three decimal places Solve number and practical problems that involve all of the above.	Use their knowledge of the order of operations to carry out operations involving the four operations Solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why	Add and subtract fractions with different denominators and mixed numbers, using the concept of equivalent fractions Multiply simple pairs of proper fractions, writing the answer in its simplest form (for example, ¼ x ½ = 1/8) Divide proper fractions be whole numbers (for example 1/3 ÷ 2 = 1/6) Associate a fraction with division and calculate decimal fraction equivalents (for example, 0.375) for a simple fraction (for example, 3/8)	Draw 2-D Shapes using given dimensions and angles Recognise, describe and build simple 3-D shapes, including making nets Compare and classify geometric shapes based on their properties and sizes and find unknown angles in any triangles, quadrilaterals, and regular polygons Illustrate and name parts of circles, including radius, diameter and circumference and know that diameter is twice the radius Recognise angles where they meet at a point, are on a straight line, or are vertically opposite, and find missing angles. Recognise that shapes with the same areas can have different perimeters and vice versa

Half Term 3 (6 weeks)	Number		Geometry/Measurement/Statistics N.B Where possible link data handling to cross-curricular learning e.g. Science/Geography/PE
	On-going skills	Half-termly focus	
Mental/Oral – on-going skills needed			
Perform mental calculations including with mixed operations and large numbers

Round any whole number to a required degree of accuracy

Use negative numbers in context, and calculate intervals across zero

Identify common factors, multiples and prime numbers

Read, write, order and compare numbers up to 10 000 000 and determine the value of each digit

Identify the value of each digit in numbers given to three decimal places and multiply and divide numbers by 10, 100, and 1000 giving answers up to three decimal places

Solve number and practical problems that involve all of the above. | Use their knowledge of the order of operations to carry out operations involving the four operations

Solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why | Add and subtract fractions with different denominators and mixed numbers, using the concept of equivalent fractions

Multiply simple pairs of proper fractions, writing the answer in its simplest form (for example, ¼ x ½ = 1/8)

Divide proper fractions be whole numbers (for example 1/3 ÷ 2 = 1/6)

Associate a fraction with division and calculate decimal fraction equivalents (for example, 0.375) for a simple fraction (for example, 3/8) | Recognise when it is possible to use formulae for area and volume of shapes

Calculate the areas of parallelograms and triangles

Calculate, estimate and compare volume of cubes and cuboids using standard units, including cubic centimetres (cm3) and cubic metres (m3) and extending to other units (for example mm£ and km3) |

Half Term 4 (5 weeks) Mental/Oral – on-going skills needed	Number		Geometry/Measurement/Statistics N.B Where possible link data handling to cross-curricular learning e.g. Science/Geography/PE
	On-going skills	Half-termly focus	
Perform mental calculations including with mixed operations and large numbers Round any whole number to a required degree of accuracy Use negative numbers in context, and calculate intervals across zero Identify common factors, multiples and prime numbers Read, write, order and compare numbers up to 10 000 000 and determine the value of each digit Identify the value of each digit in numbers given to three decimal places and multiply and divide numbers by 10, 100, and 1000 giving answers up to three decimal places Solve number and practical problems that involve all of the above.	Use their knowledge of the order of operations to carry out operations involving the four operations Solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why Add and subtract fractions with different denominators and mixed numbers, using the concept of equivalent fractions Multiply simple pairs of proper fractions, writing the answer in its simplest form (for example, ¼ x ½ = 1/8) Divide proper fractions be whole numbers (for example 1/3 ÷ 2 = 1/6) Associate a fraction with division and calculate decimal fraction equivalents (for example, 0.375) for a simple fraction (for example, 3/8)	Revision	Pupil should be taught to interpret and construct charts and line graphs and use these to solve problems Calculate and interpret the mean as an average Pupils should be taught to: Describe positions on the full co-ordinate grid (all four quadrants) Draw and translate simple shapes on the coo-ordinate plane and reflect them in the axes

Half Term 5 (6 weeks) Mental/Oral – on-going skills needed	Number		Geometry/Measurement/Statistics N.B Where possible link data handling to cross-curricular learning e.g. Science/Geography/PE
	On-going skills	Half-termly focus	

Half Term 6 (8 weeks) Mental/Oral – on-going skills needed	Number		Geometry/Measurement/Statistics N.B Where possible link data handling to cross-curricular learning e.g. Science/Geography/PE
	On-going skills	Half-termly focus	