

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12				
<b>Autumn</b>  Mental Maths Objectives  3, 4, 6, 7, 8 and 9 times tables  Halving and doubling to 100  + revise previous unit objectives  Cross curricular links	Number: Place Value  <i>National Curriculum objectives</i> 1. Count in multiples of 6, 7, 9, 25 and 1000 2. Find 1000 more or less than a given number 3. Count backwards through zero to include negative numbers 4. Recognise the place value of each digit in a four-digit number (thousands, hundreds, tens, and ones) 5. Order and compare numbers beyond 1000 6. Identify, represent and estimate numbers using different representations 7. Round any number to the nearest 10, 100 or 1000 8. Solve problems that involve all of the above and with increasingly large positive numbers 9. Read Roman numerals to 100 (I to C)  Small Steps - Week 1 • Represent numbers to 1,000 • 100s, 10s and 1s • Number line to 1,000 • Find 1, 10, 100 more and less Week 2 • Count in 1,000s • 1,000s, 100s, 10s and 1s • Partitioning 1,000s, 100s, 10s and 1s • 1,000 more and less Week 3 • Round to the nearest 10, 100, 1,000 Week 4 • Compare numbers • Order numbers • Negative numbers • Roman numerals to 100				Number: Addition and Subtraction  <i>National Curriculum objectives</i> 1. Add and subtract numbers with up to 4 digits using the formal written methods of columnar addition and subtraction where appropriate 2. Estimate and use inverse operations to check answers to a calculation 3. Solve addition and subtraction two-step problems in contexts, deciding which operations and methods to use and why.  Small Steps - 1 and ½ weeks • Add and subtract 1s, 10s, 100s and 1,000s • Add two 3 digit numbers – not crossing 10 and 100 • Add two 4 digit numbers – no exchange • Add two 3 digit numbers – crossing 10 and 100 • Add two 4 digit numbers – one exchange • Add two 4 digit numbers – more than one exchange 1 and ½ weeks • Subtract a 3 digit number from a 3 digit number – no exchange • Subtract two 4 digit numbers – no exchange • Subtract a 3 digit number from a 3 digit number – exchange • Subtract two 4 digit numbers – one exchange • Subtract two 4 digit numbers – more than one exchange • Efficient subtraction Through 3 weeks and all objectives • Estimate answers • Checking strategies • Problem solving				Measurement: Length & Perimeter  <i>National Curriculum objectives</i> 1. Convert between different units of measure [for example, kilometre to metre; hour to minute] 2. Measure and calculate the perimeter of a rectilinear figure (including squares) in centimetres and metres  Small Steps - Week 1 • Equivalent lengths – m and cm • Equivalent lengths – mm and cm • Kilometres • Add lengths • Subtract lengths Week 2 • Measure perimeter • Perimeter on a grid • Perimeter of a rectangle • Perimeter of rectilinear shapes				Number: Multiplication and Division  <i>National Curriculum objectives</i> Place Value 1. count in multiples of 6, 7, 9 Multiplication and division 1. Recall multiplication and division facts for multiplication tables 10, 3, 6, 7 & 9 2. Use place value, known and derived facts to multiply and divide mentally, including: multiplying by 0 and 1; dividing by 1; multiplying together three numbers 3. Recognise and use factor pairs and commutativity in mental calculations  Small Steps - Week 1 • Multiply by 10 • Multiply by 100 • Divide by 10 • Divide by 100 Week 2 • Multiply and divide by 3 • The 3 times table • Multiply and divide by 6 • The 6 times table and division facts Week 3 • Multiply and divide by 9 • The 9 times table and division facts • Multiply and divide by 7 • The 7 times table and division facts  Mental & Oral • Multiply by 1 and 0 • Divide by 1 and itself			
	<b>Spring</b>  Mental Maths Objectives  All times tables  Recap time to nearest minute  + revise previous unit objectives  Cross curricular links	Number: Multiplication and Division  <i>National Curriculum objectives</i> 1. Recall multiplication and division facts for multiplication tables up to $12 \times 12$ 2. Use place value, known and derived facts to multiply and divide mentally, including: multiplying by 0 and 1; dividing by 1; multiplying together 3 numbers 3. Recognise and use factor pairs and commutativity in mental calculations 4. Multiply two-digit and three-digit numbers by a one-digit number using formal written layout 5. Solve problems involving multiplying and adding,  Small Steps - Week 1 • Multiply 3 numbers • Factor pairs • Efficient multiplication • Written methods Week 2 • Multiply 2 digits by 1 digit • Multiply 3 digits by 1 digit Week 3 • Divide 2 digits by 1 digit			Measurement: Area  <i>National Curriculum objectives</i> 3. Find the area of rectilinear shapes by counting squares  Small Steps Week 1 • What is area? • Counting shapes • Making shapes • Comparing area  Challenge children to use X to find area (once secure counting squares)	Number: Fractions  <i>National Curriculum objectives</i> 1. Recognise and show, using diagrams, families of common equivalent fractions 2. Solve problems involving increasingly harder fractions to calculate quantities, and fractions to divide quantities, including non-unit fractions where the answer is a whole number 3. Add and subtract fractions with the same denominator  Small Steps Week 1 • Unit and non-unit fraction • Tenths • Count in tenths • Equivalent fractions Week 2 • Equivalent fractions • Fractions greater than 1 Week 3 • Count in fractions • Add 2 or more fractions • Subtract 2 fractions • Subtract from whole amounts Week 4 • Fractions of a set of objects • Calculate fractions of a quantity • Problem solving – calculate quantities				Number: Decimals  <i>National Curriculum objectives</i> 2. Count up and down in hundredths; recognise that hundredths arise when dividing an object by one hundred and dividing tenths by ten 5. Recognise and write decimal equivalents of any number of tenths or hundredths 7. Find the effect of dividing a one- or two-digit number by 10 and 100, identifying the value of the digits in the answer as ones, tenths and hundredths  Small Steps Week 1 • Recognise tenths and hundredths • Tenths as decimals • Tenths on a place value grid • Tenths on a number line Week 2 • Hundredths • Hundredths as decimals • Hundredths on a place value grid Week 3 • Divide 1 digit by 10 • Divide 2 digits by 10 • Divide 1 or 2 digits by 100						
<b>Summer</b>  All times tables  + revise previous unit objectives  Cross curricular links	Number: Decimals  <i>National Curriculum objectives</i> 6. Recognise and write decimal equivalents to $\frac{1}{4}$ , $\frac{1}{2}$ and $\frac{3}{4}$ 8. Round decimals with one decimal place to the nearest whole number 9. Compare numbers with the same number of decimal places up to two decimal places  Week 1 Small steps • Bonds to 10 and 100 • Make a whole • Write decimals Week 2 • Compare decimals • Order decimals • Round decimals		Measurement: Money  <i>National Curriculum objectives</i> 4. Estimate, compare and calculate different measures, including money in pounds and pence  Small Steps Week 1 & 2 • Pounds and pence • Ordering money • Estimating money • Convert pounds and pence • Add money • Subtract money • Find change • Four operations		Measurement: Time  <i>National Curriculum objectives</i> 5. Read, write and convert time between analogue and digital 12- and 24-hour clocks 6. Solve problems involving - hours to minutes; minutes to seconds; years to months; weeks to days.  Small Steps Week 1 • Telling the time to 5 minutes • Telling the time to the minute • Hours, minutes and seconds • Years, months, weeks and days Week 2 • Using am and pm • 24 hour clock • Analogue to digital – 12 hour • Analogue to digital – 24 hours Time homework		Statistics  <i>National Curriculum objectives</i> 1. Interpret & present discrete & continuous data using appropriate graphical. 2. Solve comparison, sum and difference problems using information presented  Small Steps Week 1 • Interpret charts • Comparison, sum & difference • Line graphs		Geometry: Shape  <i>National Curriculum objectives</i> 1. Compare and classify geometric shapes. 2. Identify acute and obtuse angles and compare and order angles up to two right angles by size 3. Identify lines of symmetry in 2-D shapes 4. Complete a simple symmetric figure  Small Steps Week 1 • Turns and angles • Right angles in shapes • Compare angles • Identify angles • Compare and order angles Week 2 • Triangles and quadrilaterals • Horizontal and vertical • Lines of symmetry • Complete a symmetric figure		Measurement: Position & Direction  <i>National Curriculum objectives</i> 1. describe positions on a 2-D grid as coordinates in the first quadrant 2. Describe movements between positions as translations of a given unit to the left/right up/down 3. Plot specified points and draw sides to complete a given polygon.  Small Steps Weeks 1 & 2 • Describe position • Draw on a grid • Move on a grid • Describe movement on a grid  May not need full 2 weeks – move on to times tables		Times tables			