

	Autumn	Spring	Summer
<b>EYFS</b>	<p><b>Mastering Number</b></p> <ul style="list-style-type: none"> <li>• identify when a set can be subitised and when counting is needed</li> <li>• subitise different arrangements, both unstructured and structured, including using the Hungarian number frame</li> <li>• make different arrangements of numbers within 5 and talk about what they can see, to develop their conceptual subitising skills</li> <li>• spot smaller numbers 'hiding' inside larger numbers</li> <li>• connect quantities and numbers to finger patterns and explore different ways of representing numbers on their fingers</li> <li>• hear and join in with the counting sequence, and connect this to the 'staircase' pattern of the counting numbers, seeing that each number is made of one more than the previous number</li> <li>• develop counting skills and knowledge, including: that the last number in the count tells us 'how many' (cardinality); to be accurate in counting, each thing must be counted once and once only and in any order; the need for 1:1 correspondence; understanding that anything can be counted, including actions and sounds</li> <li>• compare sets of objects by matching</li> <li>• begin to develop the language of 'whole' when talking about objects which have parts</li> </ul> <p><b>Getting to know you</b></p> <p><b>Match, sort &amp; compare</b></p> <p>Step 1 Match objects</p> <p>Step 2 Match pictures and objects</p>	<p><b>Mastering Number</b></p> <ul style="list-style-type: none"> <li>• continue to develop their subitising skills for numbers within and beyond 5, and increasingly connect quantities to numerals</li> <li>• begin to identify missing parts for numbers within 5</li> <li>• explore the structure of the numbers 6 and 7 as '5 and a bit' and connect this to finger patterns and the Hungarian number frame</li> <li>• focus on equal and unequal groups when comparing numbers</li> <li>• understand that two equal groups can be called a 'double' and connect this to finger patterns</li> <li>• sort odd and even numbers according to their 'shape'</li> <li>• continue to develop their understanding of the counting sequence and link cardinality and ordinality through the 'staircase' pattern</li> <li>• order numbers and play track games</li> <li>• join in with verbal counts beyond 20, hearing the repeated pattern within the counting numbers</li> </ul> <p><b>Alive in 5</b></p> <p>Step 1 Introduce zero</p> <p>Step 2 Find 0 to 5</p> <p>Step 3 Subitise 0 to 5</p> <p>Step 4 Represent 0 to 5</p> <p>Step 5 1 more</p> <p>Step 6 1 less</p> <p>Step 7 Composition</p> <p>Step 8 Conceptual subitising to 5</p> <p><b>Mass and capacity</b></p>	<p><b>Mastering Number</b></p> <ul style="list-style-type: none"> <li>• continue to develop their counting skills, counting larger sets as well as counting actions and sounds</li> <li>• explore a range of representations of numbers, including the 10-frame, and see how doubles can be arranged in a 10-frame</li> <li>• compare quantities and numbers, including sets of objects which have different attributes</li> <li>• continue to develop a sense of magnitude, e.g. knowing that 8 is quite a lot more than 2, but 4 is only a little bit more than 2</li> <li>• begin to generalise about 'one more than' and 'one less than' numbers within 10</li> <li>• continue to identify when sets can be subitised and when counting is necessary</li> <li>• develop conceptual subitising skills including when using a rekenrek</li> </ul> <p><b>To 20 and beyond</b></p> <p>Step 1 Build numbers beyond 10 (10 -13)</p> <p>Step 2 Continue patterns beyond 10 (10-13)</p> <p>Step 3 Build numbers beyond 10 (14-20)</p> <p>Step 4 Continue patterns beyond 10 (14-20)</p> <p>Step 5 Verbal counting beyond 20</p> <p>Step 6 Verbal counting patterns</p> <p><b>How many now?</b></p> <p>Step 1 Add more</p> <p>Step 2 How many did I add?</p> <p>Step 3 Take away</p> <p>Step 4 How many did I take away?</p>

Step 3 Identify a set  
 Step 4 Sort objects to a type  
 Step 5 Explore sorting techniques  
 Step 6 Create sorting rules  
 Step 7 Compare amounts

### **Talk about measure and patterns**

Step 1 Compare size  
 Step 2 Compare mass  
 Step 3 Compare capacity  
 Step 4 Explore simple patterns  
 Step 5 Copy and continue simple patterns

### **It's me 1,2,3**

Step 1 Find 1, 2 and 3  
 Step 2 Subitise 1, 2 and 3  
 Step 3 Represent 1, 2 and 3  
 Step 4 1 more  
 Step 5 1 less  
 Step 6 Composition of 1, 2 and 3

### **Circles and triangles**

Step 1 Identify and name circles and triangles  
 Step 2 Compare circles and triangles  
 Step 3 Shapes in the environment  
 Step 4 Describe position

### **1,2,3,4,5**

Step 1 Find 4 and 5  
 Step 2 Subitise 4 and 5  
 Step 3 Represent 4 and 5  
 Step 4 1 more  
 Step 5 1 less  
 Step 6 Composition of 4 and 5

Step 1 Compare mass  
 Step 2 Find a balance  
 Step 3 Explore capacity  
 Step 4 Compare capacity

### **Growing 6,7,8**

Step 1 Find 6, 7 and 8  
 Step 2 Represent 6, 7 and 8  
 Step 3 1 more  
 Step 4 1 less  
 Step 5 Composition of 6, 7 and 8  
 Step 6 Make pairs-odd and even  
 Step 7 Double to 8 (find a double)  
 Step 8 Double to 8 (make a double)  
 Step 9 Combine 2 groups  
 Step 10 Conceptual subitising

### **Length, height and time**

Step 1 Explore length  
 Step 2 Compare length  
 Step 3 Explore height  
 Step 4 Compare height  
 Step 5 Talk about time  
 Step 6 Order and sequence time

### **Building 9 and 10**

Step 1 Find 9 and 10  
 Step 2 Compare numbers to 10  
 Step 3 Represent 9 and 10  
 Step 4 Conceptual subitising to 10  
 Step 5 1 more  
 Step 6 1 less  
 Step 7 Composition to 10  
 Step 8 Bonds to 10 (2 parts)

### **Manipulate, compose and decompose**

Step 1 Select shapes for a purpose  
 Step 2 Rotate shapes  
 Step 3 Manipulate shapes  
 Step 4 Explain shape arrangements  
 Step 5 Compose shapes  
 Step 6 Decompose shapes  
 Step 7 Copy 2-D shape pictures  
 Step 8 Find 2-D shapes within 3-D shapes

### **Sharing and grouping**

Step 1 Explore sharing  
 Step 2 Sharing  
 Step 3 Explore grouping  
 Step 4 Grouping  
 Step 5 Even and odd sharing  
 Step 6 Play with and build doubles

### **Visualise, build and map**

Step 1 Identify units of repeating patterns  
 Step 2 Create own pattern rules  
 Step 3 Explore own pattern rules  
 Step 4 Replicate and build scenes and constructions  
 Step 5 Visualise from different positions  
 Step 6 Describe positions  
 Step 7 Give instructions to build  
 Step 8 Explore mapping  
 Step 9 Represent maps with models  
 Step 10 Create own maps from familiar places  
 Step 11 Create own maps and plans from story situations

### **Make connections**

Step 1 Deepen understanding

	<p><i>Step 7 Composition of 1 - 5</i></p> <p><b>Shapes with 4 sides</b></p> <p><i>Step 1 Identify and name shapes with 4 sides</i>  <i>Step 2 Combine shapes with 4 sides</i>  <i>Step 3 Shapes in the environment</i>  <i>Step 4 My day and night</i></p>	<p><i>Step 9 Make arrangements of 10</i>  <i>Step 10 Bonds to 10 (3 parts)</i>  <i>Step 11 Doubles to 10 (find a double)</i>  <i>Step 12 Doubles to 10 (make a double)</i>  <i>Step 13 Explore even and odd</i></p> <p><b>Explore 3D shapes</b></p> <p><i>Step 1 Recognise and name 3-D shapes</i>  <i>Step 2 Find 2-D shapes within 3-D shapes</i>  <i>Step 3 Use 3-D shapes for tasks</i>  <i>Step 4 3-D shapes in the environment</i>  <i>Step 5 Identify more complex patterns</i>  <i>Step 6 Copy and continue patterns</i>  <i>Step 7 Patterns in the environment</i></p>	<p><i>Step 2 Patterns and relationships</i></p> <p><b>Consolidation</b></p>
<p><b>Year 1</b></p>	<p><b>Mastering Number</b></p> <ul style="list-style-type: none"> <li>• subitise within 5, including when using a rekenrek, and re-cap the composition of 5</li> <li>• develop their understanding of the numbers 6 to 9 using the ‘5 and a bit’ structure</li> <li>• compare numbers within 10 and use precise mathematical language when doing so</li> <li>• re-cap the order of numbers within 10 and connect this to ‘1 more’ and ‘1 less’ than a given number</li> <li>• explore the structure of even numbers (including that even numbers can be composed by doubling any number, and can be composed of 2s)</li> <li>• explore the structure of the odd numbers as being composed of 2s and 1 more</li> <li>• explore the composition of each of the numbers 6, 8, and 10</li> <li>• explore number tracks and number lines and identify the differences between them</li> </ul> <p><b>Place value (within 10)</b></p>	<p><b>Mastering Number</b></p> <ul style="list-style-type: none"> <li>• explore the composition of each of the numbers 7 and 9</li> <li>• explore the composition of odd and even numbers, seeing that even numbers can be made of two odd or two even parts, and that odd numbers can be composed of one odd part and one even part</li> <li>• identify the number that is two more or two less than a given odd or even number, identifying that two more/ less than an odd number is the next/previous odd number, and two more/less than an even number is the next/previous even number</li> <li>• explore the aggregation and partitioning structures of addition and subtraction through systematically partitioning and re-combining numbers within 10 and connecting this to the part-part-whole diagram, including using the language of parts and wholes</li> </ul>	<p><b>Mastering Number</b></p> <ul style="list-style-type: none"> <li>• explore the composition of the numbers 11 to 19 as ‘10 and a bit’ and compare numbers within 20</li> <li>• connect the composition of the numbers 11 to 19 to their position in the linear number system, including identifying the midpoints of 5, 10 and 15</li> <li>• compare numbers within 20</li> <li>• understand how addition and subtraction equations can represent previously explored structures of addition and subtraction (aggregation/ partitioning/augmentation/ reduction)</li> <li>• practise retrieving previously taught facts and reason about these</li> </ul> <p><b>Multiplication &amp; Division</b></p> <p><i>Step 1 Count in 2s</i>  <i>Step 2 Count in 10s</i>  <i>Step 3 Count in 5s</i>  <i>Step 4 Recognise equal groups</i>  <i>Step 5 Add equal groups</i></p>

Step 1 Sort objects  
 Step 2 Count objects  
 Step 3 Count objects from a larger group  
 Step 4 Represent objects  
 Step 5 Recognise numbers as words  
 Step 6 Count on from any number  
 Step 7 1 more  
 Step 8 Count backwards within 10  
 Step 9 1 less  
 Step 10 Compare groups by matching  
 Step 11 Fewer, more, same  
 Step 12 Less than, greater than, equal to  
 Step 13 Compare numbers  
 Step 14 Order objects and numbers  
 Step 15 The number line

**Addition & Subtraction (within 10)**  
 Step 1 Introduce parts and wholes  
 Step 2 Part-whole model  
 Step 3 Write number sentences  
 Step 4 Fact families - addition facts  
 Step 5 Number bonds within 10  
 Step 6 Systematic number bonds within 10  
 Step 7 Number bonds to 10  
 Step 8 Addition - add together  
 Step 9 Addition - add more  
 Step 10 Addition problems  
 Step 11 Find a part  
 Step 12 Subtraction - find a part  
 Step 13 Fact families - the eight facts  
 Step 14 Subtraction - take away/cross out (How many left?)  
 Step 15 Subtraction - take away (How many left?)  
 Step 16 Subtraction on a number line

• explore the augmentation and reduction structures of addition and reduction using number stories, including introducing the 'first, then, now' language structure

**Place value (within 20)**  
 Step 1 Count within 20  
 Step 2 Understand 10  
 Step 3 Understand 11, 12 and 13  
 Step 4 Understand 14, 15 and 16  
 Step 5 Understand 17, 18 and 19  
 Step 6 Understand 20  
 Step 7 1 more and 1 less  
 Step 8 The number line to 20  
 Step 9 Use a number line to 20  
 Step 10 Estimate on a number line to 20  
 Step 11 Compare numbers to 20  
 Step 12 Order numbers to 20

**Addition & Subtraction (within 20)**  
 Step 1 Add by counting on within 20  
 Step 2 Add ones using number bonds  
 Step 3 Find and make number bonds to 20  
 Step 4 Doubles  
 Step 5 Near doubles  
 Step 6 Subtract ones using number bonds  
 Step 7 Subtraction - counting back  
 Step 8 Subtraction - finding the difference  
 Step 9 Related facts  
 Step 10 Missing number problems

**Place value (within 50)**  
 Step 1 Count from 20 to 50  
 Step 2 20, 30, 40 and 50

Step 6 Make arrays  
 Step 7 Make doubles  
 Step 8 Make equal groups - grouping  
 Step 9 Make equal groups - sharing

**Fractions**  
 Step 1 Recognise a half of an object or a shape  
 Step 2 Find a half of an object or a shape  
 Step 3 Recognise a half of a quantity  
 Step 4 Find a half of a quantity  
 Step 5 Recognise a quarter of an object or a shape  
 Step 6 Find a quarter of an object or a shape  
 Step 7 Recognise a quarter of a quantity  
 Step 8 Find a quarter of a quantity

**Geometry – Position & Direction**  
 Step 1 Describe turns  
 Step 2 Describe position - left and right  
 Step 3 Describe position - forwards and backwards  
 Step 4 Describe position - above and below  
 Step 5 Ordinal numbers

**Place value (within 100)**  
 Step 1 Count from 50 to 100  
 Step 2 Tens to 100  
 Step 3 Partition into tens and ones  
 Step 4 The number line to 100  
 Step 5 1 more, 1 less  
 Step 6 Compare numbers with the same number of tens  
 Step 7 Compare any two numbers

**Measurement – money**  
 Step 1 Unitising

	<p><i>Step 17 Add or subtract 1 or 2</i></p> <p><b>Geometry – shape</b></p> <p><i>Step 1 Recognise and name 3-D shapes</i></p> <p><i>Step 2 Sort 3-D shapes</i></p> <p><i>Step 3 Recognise and name 2-D shapes</i></p> <p><i>Step 4 Sort 2-D shapes</i></p> <p><i>Step 5 Patterns with 2-D and 3-D shapes</i></p>	<p><i>Step 3 Count by making groups of tens</i></p> <p><i>Step 4 Groups of tens and ones</i></p> <p><i>Step 5 Partition into tens and ones</i></p> <p><i>Step 6 The number line to 50</i></p> <p><i>Step 7 Estimate on a number line to 50</i></p> <p><i>Step 8 1 more, 1 less</i></p> <p><b>Measurement – Length &amp; Height</b></p> <p><i>Step 1 Compare lengths and heights</i></p> <p><i>Step 2 Measure length using objects</i></p> <p><i>Step 3 Measure length in centimetres</i></p> <p><b>Measurement – Weight &amp; Volume</b></p> <p><i>Step 1 Heavier and lighter</i></p> <p><i>Step 2 Measure mass</i></p> <p><i>Step 3 Compare mass</i></p> <p><i>Step 4 Full and empty</i></p> <p><i>Step 5 Compare volume</i></p> <p><i>Step 6 Measure capacity</i></p> <p><i>Step 7 Compare capacity</i></p>	<p><i>Step 2 Recognise coins</i></p> <p><i>Step 3 Recognise notes</i></p> <p><i>Step 4 Count in coins</i></p> <p><b>Measurement – time</b></p> <p><i>Step 1 Before and after</i></p> <p><i>Step 2 Days of the week</i></p> <p><i>Step 3 Months of the year</i></p> <p><i>Step 4 Hours, minutes and seconds</i></p> <p><i>Step 5 Tell the time to the hour</i></p> <p><i>Step 6 Tell the time to the half hour</i></p>
<p><b>Year 2</b></p>	<p><b>Mastering Number</b></p> <ul style="list-style-type: none"> <li>• review the composition of the numbers 6 to 9 as ‘5 and a bit’</li> <li>• compare numbers using the language of comparison and use the symbols &lt; &gt; =</li> <li>• review the structure of even numbers (including exploring how even numbers can be composed of two odd parts or two even parts) and the composition of each of 6, 8 and 10</li> <li>• review the structure of odd numbers (including exploring how odd numbers can be composed of one odd part and one even part) and the composition of each of 7 and 9</li> </ul>	<p><b>Mastering Number</b></p> <ul style="list-style-type: none"> <li>• explore how the numbers 6 to 9 can be doubled using the ‘5 and a bit’ and ‘10 and a bit’ structure</li> <li>• use doubles to calculate near doubles</li> <li>• use bonds of 10 to reason about bonds of 20, in which the given addend is greater than 10</li> <li>• use known number bonds within 10 to calculate within 20, working within the 10-boundary</li> <li>• use their knowledge of bonds of 10 to find three addends that sum to 10</li> </ul>	<p><b>Mastering Number</b></p> <ul style="list-style-type: none"> <li>• continue to explore a range of strategies to subtract across the 10-boundary</li> <li>• review bonds of 20 in which the given addend is greater than 10, and reason about bonds of 20, in which the given addend is less than 10</li> <li>• practise previously explored strategies to support their reasoning about inequalities and equations</li> <li>• review doubles and near doubles and transform additions in which two addends are adjacent odd/even numbers into doubles</li> <li>• consolidate previously taught facts and strategies through continued, varied practice</li> </ul>

- consolidate their understanding of the numbers 10 and 20 as '10 and a bit'
- consolidate their understanding of the linear number system to 20 and reason about midpoints

### Place value

- Step 1 Numbers to 20
- Step 2 Count objects to 100 by making 10s
- Step 3 Recognise tens and ones
- Step 4 Use a place value chart
- Step 5 Partition numbers to 100
- Step 6 Write numbers to 100 in words
- Step 7 Flexibly partition numbers to 100
- Step 8 Write numbers to 100 in expanded form
- Step 9 10s on the number line to 100
- Step 10 10s and 1s on the number line to 100
- Step 11 Estimate numbers on a number line
- Step 12 Compare objects
- Step 13 Compare numbers
- Step 14 Order objects and numbers
- Step 15 Count in 2s, 5s and 10s
- Step 16 Count in 3s

### Addition & Subtraction

- Step 1 Bonds to 10
- Step 2 Fact families - addition and subtraction bonds within 20
- Step 3 Related facts
- Step 4 Bonds to 100 (tens)
- Step 5 Add and subtract 1s
- Step 6 Add by making 10
- Step 7 Add three 1-digit numbers
- Step 8 Add to the next 10
- Step 9 Add across a 10

- use their knowledge of the composition of numbers within 20 to add and subtract across the 10-boundary
- use their understanding of the linear number system to 10 to position multiples of 10 on a 0 - 100 number line and reason about midpoints

### Measurement – money

- Step 1 Count money - pence
- Step 2 Count money - pounds (notes and coins)
- Step 3 Count money - pounds and pence
- Step 4 Choose notes and coins
- Step 5 Make the same amount
- Step 6 Compare amounts of money
- Step 7 Calculate with money
- Step 8 Make a pound
- Step 9 Find change
- Step 10 Two-step problems

### Multiplication & Division

- Step 1 Recognise equal groups
- Step 2 Make equal groups
- Step 3 Add equal groups
- Step 4 Introduce the multiplication symbol
- Step 5 Multiplication sentences
- Step 6 Use arrays
- Step 7 Make equal groups – grouping
- Step 8 Make equal groups – sharing
- Step 9 The 2 times-table
- Step 10 Divide by 2
- Step 11 Doubling and halving
- Step 12 Odd and even numbers
- Step 13 The 10 times-table
- Step 14 Divide by 10

### Fractions

- Step 1 Introduction to parts and whole
- Step 2 Equal and unequal parts
- Step 3 Recognise a half
- Step 4 Find a half
- Step 5 Recognise a quarter
- Step 6 Find a quarter
- Step 7 Recognise a third
- Step 8 Find a third
- Step 9 Find the whole
- Step 10 Unit fractions
- Step 11 Non-unit fractions
- Step 12 Recognise the equivalence of a half and two quarters
- Step 13 Recognise three-quarters
- Step 14 Find three-quarters
- Step 15 Count in fractions up to a whole

### Geometry – Position & Direction

- Step 1 Language of position
- Step 2 Describe movement
- Step 3 Describe turns
- Step 4 Describe movement and turns
- Step 5 Shape patterns with turns

### Measurement – time

- Step 1 O'clock and half past
- Step 2 Quarter past and quarter to
- Step 3 Tell time past the hour
- Step 4 Tell time to the hour
- Step 5 Tell the time to 5 minutes
- Step 6 Minutes in an hour
- Step 7 Hours in a day

	<p>Step 10 Subtract across 10  Step 11 Subtract from a 10  Step 12 Subtract a 1-digit number from a 2-digit number (across a 10)  Step 13 10 more, 10 less  Step 14 Add and subtract 10s  Step 15 Add two 2-digit numbers (not across a 10)  Step 16 Add two 2-digit numbers (across a 10)  Step 17 Subtract two 2-digit numbers (not across a 10)  Step 18 Subtract two 2-digit numbers (across a 10)  Step 19 Mixed addition and subtraction  Step 20 Compare number sentences  Step 21 Missing number problems</p> <p><b>Geometry – shape</b>  Step 1 Recognise 2-D and 3-D shapes  Step 2 Count sides on 2-D shapes  Step 3 Count vertices on 2-D shapes  Step 4 Draw 2-D shapes  Step 5 Lines of symmetry on shapes  Step 6 Use lines of symmetry to complete shapes  Step 7 Sort 2-D shapes  Step 8 Count faces on 3-D shapes  Step 9 Count edges on 3-D shapes  Step 10 Count vertices on 3-D shapes  Step 11 Sort 3-D shapes  Step 12 Make patterns with 2-D and 3-D shapes</p>	<p>Step 15 The 5 times-table  Step 16 Divide by 5  Step 17 The 5 and 10 times-tables</p> <p><b>Measurement – Length &amp; Height</b>  Step 1 Measure in centimetres  Step 2 Measure in metres  Step 3 Compare lengths and heights  Step 4 Order lengths and heights  Step 5 Four operations with lengths and heights</p> <p><b>Measurement – Mass, Capacity and Temperature</b>  Step 1 Compare mass  Step 2 Measure in grams  Step 3 Measure in kilograms  Step 4 Four operations with mass  Step 5 Compare volume and capacity  Step 6 Measure in millilitres  Step 7 Measure in litres  Step 8 Four operations with volume and capacity  Step 9 Temperature</p>	<p><b>Statistics</b>  Step 1 Make tally charts  Step 2 Tables  Step 3 Block diagrams  Step 4 Draw pictograms (1-1)  Step 5 Interpret pictograms (1-1)  Step 6 Draw pictograms (2, 5 and 10)  Step 7 Interpret pictograms (2, 5 and 10)</p>
<p><b>Year 3</b></p>	<p><b>Fluent in Five</b></p> <p><b>Place value</b>  Step 1 Represent numbers to 100  Step 2 Partition numbers to 100  Step 3 Number line to 100  Step 4 Hundreds</p>	<p><b>Fluent in Five</b></p> <p><b>Multiplication &amp; Division</b>  Step 1 Multiples of 10  Step 2 Related calculations  Step 3 Reasoning about multiplication</p>	<p><b>Fluent in Five</b></p> <p><b>Fractions</b>  Step 1 Add fractions  Step 2 Subtract fractions  Step 3 Partition the whole  Step 4 Unit fractions of a set of objects</p>

Step 5 Represent numbers to 1,000  
 Step 6 Partition numbers to 1,000  
 Step 7 Flexible partitioning of numbers to 1,000  
 Step 8 Hundreds, tens and ones  
 Step 9 Find 1, 10 or 100 more or less  
 Step 10 Number line to 1,000  
 Step 11 Estimate on a number line to 1,000  
 Step 12 Compare numbers to 1,000  
 Step 13 Order numbers to 1,000  
 Step 14 Count in 50s

### **Addition & Subtraction**

Step 1 Apply number bonds within 10  
 Step 2 Add and subtract 1s  
 Step 3 Add and subtract 10s  
 Step 4 Add and subtract 100s  
 Step 5 Spot the pattern  
 Step 6 Add 1s across a 10  
 Step 7 Add 10s across a 100  
 Step 8 Subtract 1s across a 10  
 Step 9 Subtract 10s across a 100  
 Step 10 Make connections  
 Step 11 Add two numbers (no exchange)  
 Step 12 Subtract two numbers (no exchange)  
 Step 13 Add two numbers (across a 10)  
 Step 14 Add two numbers (across a 100)  
 Step 15 Subtract two numbers (across a 10)  
 Step 16 Subtract two numbers (across a 100)  
 Step 17 Add 2-digit and 3-digit numbers  
 Step 18 Subtract a 2-digit number from a 3-digit number  
 Step 19 Complements to 100  
 Step 20 Estimate answers  
 Step 21 Inverse operations

Step 4 Multiply a 2-digit number by a 1-digit number - no exchange  
 Step 5 Multiply a 2-digit number by a 1-digit number - with exchange  
 Step 6 Link multiplication and division  
 Step 7 Divide a 2-digit number by a 1-digit number - no exchange  
 Step 8 Divide a 2-digit number by a 1-digit number - flexible partitioning  
 Step 9 Divide a 2-digit number by a 1-digit number - with remainders  
 Step 10 Scaling  
 Step 11 How many ways?

### **Measurement – Length & Perimeter**

Step 1 Measure in metres and centimetres  
 Step 2 Measure in millimetres  
 Step 3 Measure in centimetres and millimetres  
 Step 4 Metres, centimetres and millimetres  
 Step 5 Equivalent lengths (metres and centimetres)  
 Step 6 Equivalent lengths (centimetres and millimetres)  
 Step 7 Compare lengths  
 Step 8 Add lengths  
 Step 9 Subtract lengths  
 Step 10 What is perimeter?  
 Step 11 Measure perimeter  
 Step 12 Calculate perimeter

### **Fractions**

Step 1 Understand the denominators of unit fractions  
 Step 2 Compare and order unit fractions

Step 5 Non-unit fractions of a set of objects  
 Step 6 Reasoning with fractions of an amount

### **Geometry – shape**

Step 1 Turns and angles  
 Step 2 Right angles  
 Step 3 Compare angles  
 Step 4 Measure and draw accurately  
 Step 5 Horizontal and vertical  
 Step 6 Parallel and perpendicular  
 Step 7 Recognise and describe 2-D shapes  
 Step 8 Draw polygons  
 Step 9 Recognise and describe 3-D shapes  
 Step 10 Make 3-D shapes

### **Money**

Step 1 Pounds and pence  
 Step 2 Convert pounds and pence  
 Step 3 Add money  
 Step 4 Subtract money  
 Step 5 Find change

### **Measurement – time**

Step 1 Roman numerals to 12  
 Step 2 Tell the time to 5 minutes  
 Step 3 Tell the time to the minute  
 Step 4 Read time on a digital clock  
 Step 5 Use a.m. and p.m.  
 Step 6 Years, months and days  
 Step 7 Days and hours  
 Step 8 Hours and minutes - use start and end times  
 Step 9 Hours and minutes - use durations  
 Step 10 Minutes and seconds  
 Step 11 Units of time

	<p>Step 22 Make decisions</p> <p><b>Multiplication &amp; Division</b></p> <p>Step 1 Multiplication - equal groups</p> <p>Step 2 Use arrays</p> <p>Step 3 Multiples of 2</p> <p>Step 4 Multiples of 5 and 10</p> <p>Step 5 Sharing and grouping</p> <p>Step 6 Multiply by 3</p> <p>Step 7 Divide by 3</p> <p>Step 8 The 3 times-table</p> <p>Step 9 Multiply by 4</p> <p>Step 10 Divide by 4</p> <p>Step 11 The 4 times-table</p> <p>Step 12 Multiply by 8</p> <p>Step 13 Divide by 8</p> <p>Step 14 The 8 times-table</p> <p>Step 15 The 2, 4 and 8 times-tables</p>	<p>Step 3 Understand the numerators of non-unit fractions</p> <p>Step 4 Understand the whole</p> <p>Step 5 Compare and order non-unit fractions</p> <p>Step 6 Fractions and scales</p> <p>Step 7 Fractions on a number line</p> <p>Step 8 Count in fractions on a number line</p> <p>Step 9 Equivalent fractions on a number line</p> <p>Step 10 Equivalent fractions as bar models</p> <p><b>Measurement – Mass &amp; Capacity</b></p> <p>Step 1 Use scales</p> <p>Step 2 Measure mass in grams</p> <p>Step 3 Measure mass in kilograms and grams</p> <p>Step 4 Equivalent masses (kilograms and grams)</p> <p>Step 5 Compare mass</p> <p>Step 6 Add and subtract mass</p> <p>Step 7 Measure capacity and volume in millilitres</p> <p>Step 8 Measure capacity and volume in litres and millilitres</p> <p>Step 9 Equivalent capacities and volumes (litres and millilitres)</p> <p>Step 10 Compare capacity and volume</p> <p>Step 11 Add and subtract capacity and volume</p>	<p>Step 12 Solve problems with time</p> <p><b>Statistics</b></p> <p>Step 1 Interpret pictograms</p> <p>Step 2 Draw pictograms</p> <p>Step 3 Interpret bar charts</p> <p>Step 4 Draw bar charts</p> <p>Step 5 Collect and represent data</p> <p>Step 6 Two-way tables</p>
<p><b>Year 4</b></p>	<p><b>Mastering Number</b></p> <p><b>Place value</b></p> <p>Step 1 Represent numbers to 1,000</p> <p>Step 2 Partition numbers to 1,000</p> <p>Step 3 Number line to 1,000</p> <p>Step 4 Thousands</p> <p>Step 5 Represent numbers to 10,000</p> <p>Step 6 Partition numbers to 10,000</p> <p>Step 7 Flexible partitioning of numbers to 10,000</p>	<p><b>Mastering Number</b></p> <p><b>Multiplication &amp; Division</b></p> <p>Step 1 Factor pairs</p> <p>Step 2 Use factor pairs</p> <p>Step 3 Multiply by 10</p> <p>Step 4 Multiply by 100</p> <p>Step 5 Divide by 10</p> <p>Step 6 Divide by 100</p> <p>Step 7 Related facts – multiplication and division</p>	<p><b>Mastering Number</b></p> <p><b>Shapes</b></p> <p>Step 1 Make a whole with tenths</p> <p>Step 2 Make a whole with hundredths</p> <p>Step 3 Partition decimals</p> <p>Step 4 Flexibly partition decimals</p> <p>Step 5 Compare decimals</p> <p>Step 6 Order decimals</p> <p>Step 7 Round to the nearest whole number</p>

Step 8 Find 1, 10, 100, 1,000 more or less  
 Step 9 Number line to 10,000  
 Step 10 Estimate on a number line to 10,000  
 Step 11 Compare numbers to 10,000  
 Step 12 Order numbers to 10,000  
 Step 13 Roman numerals  
 Step 14 Round to the nearest 10  
 Step 15 Round to the nearest 100  
 Step 16 Round to the nearest 1,000  
 Step 17 Round to the nearest 10, 100 or 1,000

### **Addition & Subtraction**

Step 1 Add and subtract 1s, 10s, 100s and 1,000s  
 Step 2 Add up to two 4-digit numbers - no exchange  
 Step 3 Add two 4-digit numbers - one exchange  
 Step 4 Add two 4-digit numbers - more than one exchange  
 Step 5 Subtract two 4-digit numbers - no exchange  
 Step 6 Subtract two 4-digit numbers - one exchange  
 Step 7 Subtract two 4-digit numbers - more than one exchange  
 Step 8 Efficient subtraction  
 Step 9 Estimate answers  
 Step 10 Checking strategies

### **Measurement – Area**

Step 1 What is area?  
 Step 2 Count squares  
 Step 3 Make shapes  
 Step 4 Compare areas

### **Multiplication & Division**

Step 1 Multiples of 3  
 Step 2 Multiply and divide by 6

Step 8 Informal written methods for multiplication  
 Step 9 Multiply a 2-digit number by a 1-digit number  
 Step 10 Multiply a 3-digit number by a 1-digit number  
 Step 11 Divide a 2-digit number by a 1-digit number (1)  
 Step 12 Divide a 2-digit number by a 1-digit number (2)  
 Step 13 Divide a 3-digit number by a 1-digit number  
 Step 14 Correspondence problems  
 Step 15 Efficient multiplication

### **Measurement – Length & Perimeter**

Step 1 Measure in kilometres and metres  
 Step 2 Equivalent lengths (kilometres and metres)  
 Step 3 Perimeter on a grid  
 Step 4 Perimeter of a rectangle  
 Step 5 Perimeter of rectilinear shapes  
 Step 6 Find missing lengths in rectilinear shapes  
 Step 7 Calculate the perimeter of rectilinear shapes  
 Step 8 Perimeter of regular polygons  
 Step 9 Perimeter of polygons

### **Fractions**

Step 1 Understand the whole  
 Step 2 Count beyond 1  
 Step 3 Partition a mixed number  
 Step 4 Number lines with mixed numbers  
 Step 5 Compare and order mixed numbers  
 Step 6 Understand improper fractions

Step 8 Halves and quarters as decimals

### **Decimals**

Step 1 Write money using decimals  
 Step 2 Convert between pounds and pence  
 Step 3 Compare amounts of money  
 Step 4 Estimate with money  
 Step 5 Calculate with money  
 Step 6 Solve problems with money

### **Geometry – Position & Direction**

Step 1 Describe position using coordinates  
 Step 2 Plot coordinates  
 Step 3 Draw 2-D shapes on a grid  
 Step 4 Translate on a grid  
 Step 5 Describe translation on a grid

### **Money**

Step 1 Years, months, weeks and days  
 Step 2 Hours, minutes and seconds  
 Step 3 Convert between analogue and digital times  
 Step 4 Convert to the 24 hour clock  
 Step 5 Convert from the 24 hour clock

### **Time**

Step 1 Understand angles as turns  
 Step 2 Identify angles  
 Step 3 Compare and order angles  
 Step 4 Triangles  
 Step 5 Quadrilaterals  
 Step 6 Polygons  
 Step 7 Lines of symmetry  
 Step 8 Complete a symmetric figure

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	<p>Step 3 6 times-table and division facts          Step 4 Multiply and divide by 9          Step 5 9 times-table and division facts          Step 6 The 3, 6 and 9 times-tables          Step 7 Multiply and divide by 7          Step 8 7 times-table and division facts          Step 9 11 times-table and division facts          Step 10 12 times-table and division facts          Step 11 Multiply by 1 and 0          Step 12 Divide a number by 1 and itself          Step 13 Multiply three numbers</p>	<p>Step 7 Convert mixed numbers to improper fractions          Step 8 Convert improper fractions to mixed numbers          Step 9 Equivalent fractions on a number line          Step 10 Equivalent fraction families          Step 11 Add two or more fractions          Step 12 Add fractions and mixed numbers          Step 13 Subtract two fractions          Step 14 Subtract from whole amounts          Step 15 Subtract from mixed numbers</p> <p><b>Decimals</b>          Step 1 Tenths as fractions          Step 2 Tenths as decimals          Step 3 Tenths on a place value chart          Step 4 Tenths on a number line          Step 5 Divide a 1-digit number by 10          Step 6 Divide a 2-digit number by 10          Step 7 Hundredths as fractions          Step 8 Hundredths as decimals          Step 9 Hundredths on a place value chart          Step 10 Divide a 1- or 2-digit number by 100</p>	<p><b>Statistics</b>          Step 1 Interpret charts          Step 2 Comparison, sum and difference          Step 3 Interpret line graphs          Step 4 Draw line graphs</p>
<p><b>Year 5</b></p>	<p><b>Mastering Number</b></p> <p><b>Place value</b>          Step 1 Roman numerals to 1,000          Step 2 Numbers to 10,000          Step 3 Numbers to 100,000          Step 4 Numbers to 1,000,000          Step 5 Read and write numbers to 1,000,000          Step 6 Powers of 10          Step 7 10/100/1,000/10,000/100,000 more or less          Step 8 Partition numbers to 1,000,000</p>	<p><b>Mastering Number</b></p> <p><b>Multiplication &amp; Division</b>          Step 1 Multiply up to a 4-digit number by a 1-digit number          Step 2 Multiply a 2-digit number by a 2-digit number (area model)          Step 3 Multiply a 2-digit number by a 2-digit number          Step 4 Multiply a 3-digit number by a 2-digit number</p>	<p><b>Mastering Number</b></p> <p><b>Shape</b>          Step 1 Understand and use degrees          Step 2 Classify angles          Step 3 Estimate angles          Step 4 Measure angles up to 180          Step 5 Draw lines and angles accurately          Step 6 Calculate angles around a point          Step 7 Calculate angles on a straight line          Step 8 Lengths and angles in shapes</p>

Step 9 Number line to 1,000,000  
 Step 10 Compare and order numbers to 100,000  
 Step 11 Compare and order numbers to 1,000,000  
 Step 12 Round to the nearest 10, 100 or 1,000  
 Step 13 Round within 100,000  
 Step 14 Round within 1,000,000

### **Addition & Subtraction**

Step 1 Mental strategies  
 Step 2 Add whole numbers with more than four digits  
 Step 3 Subtract whole numbers with more than four digits  
 Step 4 Round to check answers  
 Step 5 Inverse operations (addition and subtraction)  
 Step 6 Multi-step addition and subtraction problems  
 Step 7 Compare calculations  
 Step 8 Find missing numbers

### **Multiplication & Division**

Step 1 Multiples  
 Step 2 Common multiples  
 Step 3 Factors  
 Step 4 Common factors  
 Step 5 Prime numbers  
 Step 6 Square numbers  
 Step 7 Cube numbers  
 Step 8 Multiply by 10, 100 and 1,000  
 Step 9 Divide by 10, 100 and 1,000  
 Step 10 Multiples of 10, 100 and 1,000

### **Fraction A**

Step 1 Find fractions equivalent to a unit fraction  
 Step 2 Find fractions equivalent to a non-unit fraction  
 Step 3 Recognise equivalent fractions

Step 5 Multiply a 4-digit number by a 2-digit number  
 Step 6 Solve problems with multiplication  
 Step 7 Short division  
 Step 8 Divide a 4-digit number by a 1-digit number  
 Step 9 Divide with remainders  
 Step 10 Efficient division  
 Step 11 Solve problems with multiplication and division

### **Fraction B**

Step 1 Multiply a unit fraction by an integer  
 Step 2 Multiply a non-unit fraction by an integer  
 Step 3 Multiply a mixed number by an integer  
 Step 4 Calculate a fraction of a quantity  
 Step 5 Fraction of an amount  
 Step 6 Find the whole  
 Step 7 Use fractions as operators

### **Decimals and Percentages**

Step 1 Decimals up to 2 decimal places  
 Step 2 Equivalent fractions and decimals (tenths)  
 Step 3 Equivalent fractions and decimals (hundredths)  
 Step 4 Equivalent fractions and decimals  
 Step 5 Thousandths as fractions  
 Step 6 Thousandths as decimals  
 Step 7 Thousandths on a place value chart  
 Step 8 Order and compare decimals (same number of decimal places)  
 Step 9 Order and compare any decimals with up to 3 decimal places  
 Step 10 Round to the nearest whole number

Step 9 Regular and irregular polygons  
 Step 10 3-D shapes

### **Position & Direction**

Step 1 Read and plot coordinates  
 Step 2 Problem solving with coordinates  
 Step 3 Translation  
 Step 4 Translation with coordinates  
 Step 5 Lines of symmetry  
 Step 6 Reflection in horizontal and vertical lines

### **Decimals**

Step 1 Use known facts to add and subtract decimals within 1  
 Step 2 Complements to 1  
 Step 3 Add and subtract decimals across 1  
 Step 4 Add decimals with the same number of decimal places  
 Step 5 Subtract decimals with the same number of decimal places  
 Step 6 Add decimals with different numbers of decimal places  
 Step 7 Subtract decimals with different numbers of decimal places  
 Step 8 Efficient strategies for adding and subtracting decimals  
 Step 9 Decimal sequences  
 Step 10 Multiply by 10, 100 and 1,000  
 Step 11 Divide by 10, 100 and 1,000  
 Step 12 Multiply and divide decimals - missing values

### **Negative numbers**

Step 1 Understand negative numbers  
 Step 2 Count through zero in 1s

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	<p>Step 4 Convert improper fractions to mixed numbers          Step 5 Convert mixed numbers to improper fractions          Step 6 Compare fractions less than 1          Step 7 Order fractions less than 1          Step 8 Compare and order fractions greater than 1          Step 9 Add and subtract fractions with the same denominator          Step 10 Add fractions within 1          Step 11 Add fractions with total greater than 1          Step 12 Add to a mixed number          Step 13 Add two mixed numbers          Step 14 Subtract fractions          Step 15 Subtract from a mixed number          Step 16 Subtract from a mixed number - breaking the whole          Step 17 Subtract two mixed numbers</p>	<p>Step 11 Round to 1 decimal place          Step 12 Understand percentages          Step 13 Percentages as fractions          Step 14 Percentages as decimals          Step 15 Equivalent fractions, decimals and percentages</p> <p><b>Perimeter &amp; Area</b>          Step 1 Perimeter of rectangles          Step 2 Perimeter of rectilinear shapes          Step 3 Perimeter of polygons          Step 4 Area of rectangles          Step 5 Area of compound shapes          Step 6 Estimate area</p> <p><b>Statistics</b>          Step 1 Draw line graphs          Step 2 Read and interpret line graphs          Step 3 Read and interpret tables          Step 4 Two-way tables          Step 5 Read and interpret timetables</p>	<p>Step 3 Count through zero in multiples          Step 4 Compare and order negative numbers          Step 5 Find the difference</p> <p><b>Converting units</b>          Step 1 Kilograms and kilometres          Step 2 Millimetres and millilitres          Step 3 Convert units of length          Step 4 Convert between metric and imperial units          Step 5 Convert units of time          Step 6 Calculate with timetables</p> <p><b>Volume</b>          Step 1 Cubic centimetres          Step 2 Compare volume          Step 3 Estimate volume          Step 4 Estimate capacity</p>
<p><b>Year 6</b></p>	<p><b>Fluent in Five</b></p> <p><b>Place value</b>          Step 1 Numbers to 1,000,000          Step 2 Numbers to 10,000,000          Step 3 Read and write numbers to 10,000,000          Step 4 Powers of 10          Step 5 Number line to 10,000,000          Step 6 Compare and order any integers          Step 7 Round any integer          Step 8 Negative numbers</p>	<p><b>Fluent in Five</b></p> <p><b>Ratio</b>          Step 1 Add or multiply?          Step 2 Use ratio language          Step 3 Introduction to the ratio symbol          Step 4 Ratio and fractions          Step 5 Scale drawing          Step 6 Use scale factors          Step 7 Similar shapes          Step 8 Ratio problems          Step 9 Proportion problems          Step 10 Recipes</p>	<p><b>Fluent in Five</b></p> <p><b>Shape</b>          Step 1 Measure and classify angles          Step 2 Calculate angles          Step 3 Vertically opposite angles          Step 4 Angles in a triangle          Step 5 Angles in a triangle – special cases          Step 6 Angles in a triangle – missing angles          Step 7 Angles in quadrilaterals          Step 8 Angles in polygons          Step 9 Circles          Step 10 Draw shapes accurately</p>

**Addition, Subtraction, Multiplication & Division**

- Step 1 Add and subtract integers
- Step 2 Common factors
- Step 3 Common multiples
- Step 4 Rules of divisibility
- Step 5 Primes to 100
- Step 6 Square and cube numbers
- Step 7 Multiply up to a 4-digit number by a 2-digit number
- Step 8 Solve problems with multiplication
- Step 9 Short division
- Step 10 Division using factors
- Step 11 Introduction to long division
- Step 12 Long division with remainders
- Step 13 Solve problems with division
- Step 14 Solve multi-step problems
- Step 15 Order of operations
- Step 16 Mental calculations and estimation
- Step 17 Reason from known facts

**Fractions A**

- Step 1 Equivalent fractions and simplifying
- Step 2 Equivalent fractions on a number line
- Step 3 Compare and order (denominator)
- Step 4 Compare and order (numerator)
- Step 5 Add and subtract simple fractions
- Step 6 Add and subtract any two fractions
- Step 7 Add mixed numbers
- Step 8 Subtract mixed numbers
- Step 9 Multi-step problems

**Fractions B**

- Step 1 Multiply fractions by integers

**Algebra**

- Step 1 1-step function machines
- Step 2 2-step function machines
- Step 3 Form expressions
- Step 4 Substitution
- Step 5 Formulae
- Step 6 Form equations
- Step 7 Solve 1-step equations
- Step 8 Solve 2-step equations
- Step 9 Find pairs of values
- Step 10 Solve problems with two unknowns

**Decimals**

- Step 1 Place value within 1
- Step 2 Place value – integers and decimals
- Step 3 Round decimals
- Step 4 Add and subtract decimals
- Step 5 Multiply by 10, 100 and 1,000
- Step 6 Divide by 10, 100 and 1,000
- Step 7 Multiply decimals by integers
- Step 8 Divide decimals by integers
- Step 9 Multiply and divide decimals in context

**Fractions, Decimals, Percentages**

- Step 1 Decimal and fraction equivalents
- Step 2 Fractions as division
- Step 3 Understand percentages
- Step 4 Fractions to percentages
- Step 5 Equivalent fractions, decimals and percentages
- Step 6 Order fractions, decimals and percentages
- Step 7 Percentage of an amount – one step
- Step 8 Percentage of an amount – multi-step

Step 11 Nets of 3-D shapes

**Position & Direction**

- Step 1 The first quadrant
- Step 2 Read and plot points in four quadrants
- Step 3 Solve problems with coordinates
- Step 4 Translations
- Step 5 Reflections

**Themed projects, consolidation and problem solving**

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*Step 2 Multiply fractions by fractions*  
*Step 3 Divide a fraction by an integer*  
*Step 4 Divide any fraction by an integer*  
*Step 5 Mixed questions with fractions*  
*Step 6 Fraction of an amount*  
*Step 7 Fraction of an amount - find the whole*

**Converting units**

*Step 1 Metric measures*  
*Step 2 Convert metric measures*  
*Step 3 Calculate with metric measures*  
*Step 4 Miles and kilometres*  
*Step 5 Imperial measures*

*Step 9 Percentages – missing values*

**Area, Perimeter, Volume**

*Step 1 Shapes - same area*  
*Step 2 Area and perimeter*  
*Step 3 Area of a triangle – counting squares*  
*Step 4 Area of a right-angled triangle*  
*Step 5 Area of any triangle*  
*Step 6 Area of a parallelogram*  
*Step 7 Volume - counting cubes*  
*Step 8 Volume of a cuboid*

**Statistics**

*Step 1 Line graphs*  
*Step 2 Dual bar charts*  
*Step 3 Read and interpret pie charts*  
*Step 4 Pie charts with percentages*  
*Step 5 Draw pie charts*  
*Step 6 The mean*