



St Mary's Catholic Primary School
Living and Learning Together – Shining in our Faith
 Key Learning steps for Mathematics

Nursery					
Autumn 1 (7 weeks)	Autumn 2 (8 weeks)	Spring 1 (6 weeks)	Spring 2 (6 weeks)	Summer 1 (5 weeks)	Summer 2 (6.5 weeks)
Comparison 1 More than fewer than same Collect objects to compare amounts. Look for collections of large and small amounts Look for collections of large and small amounts Make large and small collections. Make simple comparisons of amounts. Compare and talk about large and small amount.	Counting 2 Begin to order number names Model saying 1, 2 and 3 in play Copy fingers to represent 1, 2 and 3 Look for collections of large and small amounts Say number names in order Copy the sequence of 1, 2 and 3 Begin to count actions Begin to recognise that anything can be counted	Subitising 2 Show me one, two, three Copy fingers to show 1 Copy fingers to show 2 Copy fingers to show 3 Show 1 finger when seeing 1 item in stories Show 2 or 3 fingers when seeing 2 or 3 in stories Show 1,2,3 on fingers when asked.	Counting 4 Take and give 1,2,3 Choose a group to count Take out 2 from a group Take out three from a group Give others 2 items Give others 3 items Count 3 objects with one-to-one correspondence.	Pattern 4 Lead on own repeats	Counting 5 Show me 5 Awaiting publication
Comparison 1 More than fewer than same Collect objects to compare amounts. Look for collections of large and small amounts Look for collections of large and small amounts Make large and small collections. Make simple comparisons of amounts. Compare and talk about large and small amount.	Counting 2 Begin to order number names Model saying 1, 2 and 3 in play Copy fingers to represent 1, 2 and 3 Look for collections of large and small amounts Say number names in order Copy the sequence of 1, 2 and 3 Begin to count actions Begin to recognise that anything can be counted	Subitising 2 Show me one, two, three Copy fingers to show 1 Copy fingers to show 2 Copy fingers to show 3 Show 1 finger when seeing 1 item in stories Show 2 or 3 fingers when seeing 2 or 3 in stories Show 1,2,3 on fingers when asked.	Counting 4 Take and give 1,2,3 Choose a group to count Take out 2 from a group Take out three from a group Give others 2 items Give others 3 items Count 3 objects with one-to-one correspondence.	Pattern 4 Lead on own repeats Awaiting publication	Counting 5 Show me 5 Awaiting publication
Shape, space and measures 1	Subitising 1	Counting 3	Shape space and measure 4	Shape space and measure 5	Pattern 6

Explore and build with shapes and objects Explore and play with shapes Put shapes and blocks into position Look for collections of large and small amounts Begin to explore and describe natural shapes and objects Show interest in simple differences between shapes Select shapes for a reason	I see 1,2,3 Notice images in books Recognise "I see 1, 2, 3" Look for collections of large and small amounts Point to 1, 2, 3 Respond to "I see 1, 2, 3" Copy "I see 1, 2, 3"	Move and label 1,2,3 Make actions when saying counting words Move fingers when saying counting words Count out up to 3 objects from rhymes Notice number symbols as labels Label amounts as 1 and not 1 Look for collections of large	Match, talk, push and pull Match simple shapes Push some shapes and blocks together Make simple arrangements Talk about simple arrangements Follow simple routes outside Follow toys around a simple route.	Start to puzzle Awaiting publication	My own pattern Awaiting publication
Pattern 1 Explore Repeat Listen to repeats in songs and stories Start to join in with repeats from stories Look for collections of large and small amounts Make line patterns with own sequences Start to join in songs with repeats Clap along to songs	Pattern 2 Join in with repeats Join in with repeated actions in songs Sing some refrains independently Look for collections of large and small amounts Say what happens next Join in with repeats in songs and stories Have a sense of daily routines	Shape space and measure 3 Explore position and routes Explore shape resources Explore more complex inset jigsaws Talk about simple positions Move into simple positions Move through positions Follow simple small world routes.	Subitising 3 Talk about dots Become familiar with dot patterns Say when there is 1 dot Say when there are 2 dots Say when there are 3 dots Recognise 1 and 2 in different arrangements Recognise 1, 2 and 3 in different arrangements	Pattern 5 Making patterns together Awaiting publication	Counting 6 Stop at 1,2,3,4,5 Awaiting publication
Pattern 1 Explore Repeat Listen to repeats in songs and stories Start to join in with repeats from stories Look for collections of large and small amounts Make line patterns with own sequences Start to join in songs with repeats Clap along to songs	Pattern 2 Join in with repeats Join in with repeated actions in songs Sing some refrains independently Look for collections of large and small amounts Say what happens next Join in with repeats in songs and stories Have a sense of daily routines	Shape space and measure 3 Explore position and routes Explore shape resources Explore more complex inset jigsaws Talk about simple positions Move into simple positions Move through positions Follow simple small world routes.	Subitising 3 Talk about dots Become familiar with dot patterns Say when there is 1 dot Say when there are 2 dots Say when there are 3 dots Recognise 1 and 2 in different arrangements Recognise 1, 2 and 3 in different arrangements	Pattern 5 Making patterns together Awaiting publication	Counting 6 Stop at 1,2,3,4,5 Awaiting publication
Counting 1	Shape, space and measure 2 Explore Space	Pattern 3 Explore patterns	Comparison 2	Subitising 4 Make games and actions	Comparison 3 Match sort compare

Hear and say number names Hear some number names Model saying number names in order Look for collections of large and small amounts Join in stable order counting forwards Join in saying some number names Practise saying number names in order	Respond to simple language of position Select shapes for a space Look for collections of large and small amounts Explore and describe shapes and objects Arrange blocks in a chosen position Recognise when 2 objects are the same shape	Explain simple pattern arrangements Make roads and bridges with intent Choose blocks to copy simple creations Make simple line patterns with objects Make simple pattern arrangements Show an interest in patterns and shapes.	Compare and sort collections Notice when two collections are the same Make collections of small objects the same Make collections of large objects the same Recognise two collections are the same using large and small objects Make collections the same using large and small objects Sort and talk about their own collections.	Awaiting publication	Awaiting publication
EYFS					
Autumn 1 (7 weeks)	Autumn 2 (8 weeks)	Spring 1 (6 weeks)	Spring 2 (6 weeks)	Summer 1 (5 weeks)	Summer 2 (6.5 weeks)
All about me 2 weeks	Circles and triangles 4 steps Step 1 Identify and name circles and triangles Step 2 Compare circles and triangles Step 3 Shapes in the environment Step 4 Describe position	Alive in 5 8 steps <i>Recap and re enforce</i> Step 1 Introduce zero Step 2 Find 0 to 5 Step 3 Subitise 0 to 5 Step 4 Represent 0 to 5 Step 5 1 more Step 6 1 less Step 7 Composition Step 8 Conceptual subitising to 5	Length, height, Time 6 steps 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	To 20 and beyond 6 steps Step 1 Build numbers beyond 10 (10–13) Step 2 Continue patterns beyond 10 (10–13) Step 3 Build numbers beyond 10 (14–20) Step 4 Continue patterns beyond 10 (14–20) Step 5 Verbal counting beyond 20 Step 6 Verbal counting patterns	Sharing and grouping 6 steps 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
All about me 2 weeks	1,2,3,4,5 7 steps Step 1 Find 4 and 5	Alive in 5 8 steps <i>Recap and re enforce</i> Step 1 Introduce zero Step 2 Find 0 to 5	Bridging 9,10 13 steps Step 1 Find 9 and 10 Step 2 Compare numbers to 10 Step 3 Represent 9 and 10 Step 4 Conceptual subitising to 10	How many ? 4 steps Step 1 Add more Step 2 How many did I add? Step 3 Take away Step 4 How many did I take away?	Visualise, build, and map. 11 steps Step 1 Identify units of repeating patterns

	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 7 Composition of 1–5	Step 3 Subitise 0 to 5 Step 4 Represent 0 to 5 Step 5 1 more Step 6 1 less Step 7 Composition Step 8 Conceptual subitising to 5	Step 5 1 more Step 6 1 less Step 7 Composition to 10 Step 8 Bonds to 10 (2 parts) Step 9 Make arrangements of 10 Step 10 Bonds to 10 (3 parts) Step 11 Doubles to 10 (find a double) Step 12 Doubles to 10 (make a double)		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
Matching and sorting 7 steps Match objects Match pictures and objects Identify a set Sort objects to a type Explore sorting techniques Create sorting rules Compare amounts	1,2,3,4,5 7 steps 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 7 Composition of 1–5	Mass and capacity 4 steps Step 1 Compare mass Step 2 Find a balance Step 3 Explore capacity Step 4 Compare capacity	Bridging 9,10 13 steps 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) Step 9 Make arrangements of 10 Step 10 Bonds to 10 (3 parts) Step 11 Doubles to 10 (find a double) Step 12 Doubles to 10 (make a double)	. Manipulate, compose, decompose 8 steps 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	Visualise, build, and map. 11 steps 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
Matching and sorting 7 steps Match objects Match pictures and objects Identify a set Sort objects to a type Explore sorting techniques Create sorting rules Compare amounts	Shapes with four sides 4 steps Step 1 Identify and name shapes with 4 sides Step 2 Combine shapes with 4 sides Step 3 Shapes in the environment Step 4 My day and night	Growing 6.7.8 10 steps 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 two groups Step 10 Conceptual subitising	Bridging 9,10 13 steps 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) Step 9 Make arrangements of 10 Step 10 Bonds to 10 (3 parts) Step 11 Doubles to 10 (find a double) Step 12 Doubles to 10 (make a double)	Manipulate, compose, decompose 8 steps 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	Visualise, build, and map. 11 steps 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
Talk about measures and pattern 6 steps Compare size Compare mass Compare capacity Explore simple patterns Copy and continue simple patterns Create simple patterns	Alive in 5 8 steps Step 1 Introduce zero Step 2 Find 0 to 5 Step 3 Subitise 0 to 5 Step 4 Represent 0 to 5 Step 5 1 more Step 6 1 less Step 7 Composition Step 8 Conceptual subitising to 5	Growing 6.7.8 10 steps 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)	Explore 3d Shapes 7 steps Step 1 Recognise and name 3-D shapes Step 2 Find 2-D shapes within 3-D shapes Step 3 Use 3-D shapes for tasks Step 4 3-D shapes in the environment Step 5 Identify more complex patterns Step 6 Copy and continue patterns	Sharing and grouping 6 steps 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	Make connections 2 steps Step 1 Deepen understanding Step 2 Patterns and relationships

		Step 9 Combine two groups Step 10 Conceptual subitising	Step 7 Patterns in the environment		
<p>Talk about measures and pattern</p> <p>6 steps (begin It's me 1,2,3)</p> <p>Compare size Compare mass Compare capacity Explore simple patterns Copy and continue simple patterns Create simple patterns</p>	<p><i>Alive in 5</i></p> <p><i>8 steps</i></p> <p>Step 1 Introduce zero Step 2 Find 0 to 5 Step 3 Subitise 0 to 5 Step 4 Represent 0 to 5 Step 5 1 more Step 6 1 less Step 7 Composition Step 8 Conceptual subitising to 5</p>	<p>Length, height, Time</p> <p><i>6 steps</i></p> <p>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</p>	<p>Explore 3d Shapes</p> <p><i>7 steps</i></p> <p>Step 1 Recognise and name 3-D shapes Step 2 Find 2-D shapes within 3-D shapes Step 3 Use 3-D shapes for tasks Step 4 3-D shapes in the environment Step 5 Identify more complex patterns Step 6 Copy and continue patterns Step 7 Patterns in the environment</p>		
<p>It's me 1,2,3</p> <p>6 steps</p> <p>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</p>					

Number - Place Value					
Year 1 Within 10	Year 2	Year 3	Year 4	Year 5	Year 6
Step 1 Sort objects	Step 1 Numbers to 20	Step 1 Represent numbers to 100	Step 1 Represent numbers to 1,000	Step 1 Roman numerals to 1,000	Step 1 Numbers to 1,000,000
Step 2 Count objects	Step 2 Count objects to 100 by making 10s	Step 2 Partition numbers to 100	Step 2 Partition numbers to 1,000	Step 2 Numbers to 10,000	Step 2 Numbers to 10,000,000
Step 3 Count objects from a larger group	Step 3 Recognise tens and ones	Step 3 Number line to 100	Step 3 Number line to 1,000	Step 3 Numbers to 100,000	Step 3 Read and write numbers to 10,000,000
Step 4 Represent objects	Step 4 Use a place value chart	Step 4 Hundreds	Step 4 Thousands	Step 4 Numbers to 1,000,000	Step 4 Powers of 10
Step 5 Recognise numbers as words	Step 5 Partition numbers to 100	Step 5 Represent numbers to 1,000	Step 5 Represent numbers to 10,000	Step 5 Read and write numbers to 1,000,000	Step 5 Number line to 10,000,000

Step 6 Count on from any number	Step 6 Write numbers to 100 in words	Step 6 Partition numbers to 1,000	Step 6 Partition numbers to 10,000	Step 6 Powers of 10	Step 6 Compare and order any integers
Step 7 1 more	Step 7 Flexibly partition numbers to 100	Step 7 Flexible partitioning of numbers to 1,000	Step 7 Flexible partitioning of numbers to 10,000	Step 7 10/100/1,000/10,000/100,000 more or less	Step 7 Round any integer
Step 8 Count backwards within 10	Step 8 Write numbers to 100 in expanded form	Step 8 Hundreds, tens and ones		Step 8 Partition numbers to 1,000,000	Step 8 Negative numbers
Step 9 1 less	Step 9 10s on the number line to 100	Step 9 Find 1, 10 or 100 more or less	Step 8 Find 1, 10, 100, 1,000 more or less	Step 9 Number line to 1,000,000	
Step 10 Compare groups by matching	Step 10 10s and 1s on the number line to 100	Step 10 Number line to 1,000	Step 9 Number line to 10,000	Step 10 Compare and order numbers to 100,000	
Step 11 Fewer, more, same	Step 11 Estimate numbers on a number line	Step 11 Estimate on a number line to 1,000	Step 10 Estimate on a number line to 10,000	Step 11 Compare and order numbers to 1,000,000	
Step 12 Less than, greater than, equal to	Step 12 Compare objects	Step 12 Compare numbers to 1,000	Step 11 Compare numbers to 10,000	Step 12 Round to the nearest 10, 100 or 1,000	
Step 13 Compare numbers	Step 13 Compare numbers	Step 13 Order numbers to 1,000	Step 12 Order numbers to 10,000	Step 13 Round within 100,000	
Step 14 Order objects and numbers	Step 14 Order objects and numbers	Step 14 Count in 50s	Step 13 Roman numerals	Step 14 Round within 1,000,000	
Step 15 The number line	Step 15 Count in 2s, 5s and 10s		Step 14 Round to the nearest 10		
	Step 16 Count in 3s		Step 15 Round to the nearest 100		
Year 1 within 20			Step 16 Round to the nearest 1,000		
Step 1 Count within 20			Step 17 Round to the nearest 10, 100 or 1,000		
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					
Year 1 within 50					
Step 1 Count from 20 to 50					
Step 2 20, 30, 40 and 50					

Step 3 Count by making groups of tens					
Step 4 Groups of tens and ones					
Step 5 Partition into tens and ones					
Step 6 The number line to 50					
Step 7 Estimate on a number line to 50					
Step 8 1 more, 1 less					
Year 1 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					
Number - Addition and Subtraction					
Year 1	Year 2	Year 3	Year 4	Year 5	
Step 1 Introduce parts and wholes	Step 1 Bonds to 10	Step 1 Apply number bonds within 10	Step 1 Add and subtract 1s, 10s, 100s and 1,000s	Step 1 Mental strategies	
Step 2 Part-whole model	Step 2 Fact families - addition and subtraction bonds within 20	Step 2 Add and subtract 1s	Step 2 Add up to two 4-digit numbers – no exchange	Step 2 Add whole numbers with more than four digits	
Step 3 Write number sentences	Step 3 Related facts	Step 3 Add and subtract 10s	Step 3 Add two 4-digit numbers – one exchange	Step 3 Subtract whole numbers with more than four digits	
Step 4 Fact families – addition facts	Step 4 Bonds to 100 (tens)	Step 5 Spot the pattern	Step 4 Add two 4-digit numbers – more than one exchange	Step 4 Round to check answers	
Step 5 Number bonds within 10	Step 5 Add and subtract 1s	Step 4 Add and subtract 100s	Step 5 Subtract two 4-digit numbers – no exchange	Step 5 Inverse operations (addition and subtraction)	
Step 6 Systematic number bonds within 10	Step 6 Add by making 10	Step 6 Add 1s across a 10	Step 6 Subtract two 4-digit numbers – one exchange	Step 6 Multi-step addition and subtraction problems	
Step 7 Number bonds to 10	Step 7 Add three 1-digit numbers	Step 7 Add 10s across a 100	Step 7 Subtract two 4-digit numbers – more than one exchange	Step 7 Compare calculations	
Step 8 Addition – add together	Step 8 Add to the next 10	Step 8 Subtract 1s across a 100	Step 8 Efficient subtraction	Step 8 Find missing numbers	
Step 9 Addition – add more	Step 9 Add across a 10	Step 9 Subtract 10s across a 100	Step 9 Estimate answers		
Step 10 Addition problems	Step 10 Subtract across 10	Step 10 Make connections	Step 10 Checking strategies		
Step 11 Find a part	Step 11 Subtract from a 10	Step 11 Add two numbers (no exchange)			

Step 12 Subtraction – find a part	Step 12 Subtract a 1-digit number from a 2-digit number (across a 10)	Step 12 Subtract two numbers (no exchange)			
Step 13 Fact families – the eight facts	Step 13 10 more, 10 less	Step 13 Add two numbers (across a 10)			
Step 14 Subtraction – take away/cross out (How many left?)	Step 14 Add and subtract 10s	Step 14 Add two numbers (across a 100)			
Step 15 Take away (How many left?)	Step 15 Add two 2-digit numbers (not across a 10)	Step 15 Subtract two numbers (across a 10)			
Step 16 Subtraction on a number line	Step 16 Add two 2-digit numbers (across a 10)	Step 16 Subtract two numbers (across a 100)			
	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 problem				

Number - Multiplication and Division

Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Step 1 Count in 2s	Step 1 Recognise equal	Step 1 Multiplication – equal groups	Step 1 Multiplication – equal groups	Multiplication and Division A	Multiplication and Division A
Step 2 Count in 10s	Step 2 Make equal groups	Step 2 Use arrays	Step 2 Use arrays Reinforcement of Year 3 objectives	Step 1 Multiples	Step 1 Add and subtract integers
Step 3 Count in 5s	Step 3 Add equal groups	Step 3 Multiples of 2	Step 1 Multiples of 3	Step 2 Common multiples	Step 2 Common factors
Step 4 Recognise equal groups	Step 4 Introduce the multiplication symbol	Step 4 Multiples of 5 and 10	Step 2 Multiply and divide by 6	Step 3 Factors	Step 3 Common multiples
Step 5 Add equal groups	Step 5 Multiplication sentences	Step 5 Sharing and grouping	Step 3 6 times-table and division facts	Step 4 Common factors	Step 4 Rules of divisibility
Step 6 Make arrays	Step 6 Use arrays	Step 6 Multiply by 3	Step 4 Multiply and divide by 9	Step 5 Prime numbers	Step 5 Primes to 100
Step 7 Make doubles	Step 7 Make equal groups – grouping	Step 7 Divide by 3	Step 5 9 times-table and division facts	Step 6 Square numbers	Step 6 Square and cube numbers
Step 8 Make equal groups – grouping	Step 8 Make equal groups – sharing	Step 8 The 3 times-table	Step 6 The 3, 6 and 9 times-tables	Step 7 Cube numbers	Step 7 Multiply up to a 4-digit number by a 2-digit number
Step 9 Make equal groups – sharing	Step 9 The 2 times-table	Step 9 Multiply by 4	Step 7 Multiply and divide by 7	Step 8 Multiply by 10, 100 and 1,000	Step 8 Solve problems with multiplication
	Step 10 Divide by 2	Step 10 Divide by 4	Step 8 7 times-table and division facts	Step 9 Divide by 10, 100 and 1,000	Step 9 Short division

	Step 11 Doubling and halving	Step 11 The 4 times-table	Step 9 11 times-table and division facts	Step 10 Multiples of 10, 100 and 1,000	Step 10 Division using factors
	Step 12 Odd and even numbers	Step 12 Multiply by 8	Step 10 12 times-table and division facts		Step 11 Introduction to long division
	Step 13 The 10 times-table	Step 11 Multiply by 1 and 0	Step 11 Multiply by 1 and 0		Step 12 Long division with remainders
	Step 14 Divide by 10	Step 13 Divide by 8	Step 12 Divide a number by 1 and itself		Step 13 Solve problems with division
	Step 15 The 5 times-table	Step 14 The 8 times-table	Step 13 Multiply three numbers		Step 14 Solve multi-step problems
	Step 16 Divide by 5				Step 15 Order of operations
					Step 16 Mental calculations and estimation
					Step 17 Reason from known facts
				Multiplication and Division B	
				Step 1 Multiply up to a 4-digit number by a 1-digit number	Step 1 Add or multiply?
				Step 2 Multiply a 2-digit number by a 2-digit number (area model)	Step 2 Use ratio language
				Step 3 Multiply a 2-digit number by a 2-digit number	Step 3 Introduction to the ratio symbol
				Step 4 Multiply a 3-digit number by a 2-digit number	Step 4 Ratio and fractions
				Step 5 Multiply a 4-digit number by a 2-digit number	Step 5 Scale drawing
				Step 6 Solve problems with multiplication	Step 6 Use scale factors
				Step 7 Short division	Step 7 Similar shapes
				Step 8 Divide a 4-digit number by a 1-digit number	Step 8 Ratio problems
				9 Divide with remainders	Step 9 Proportion problems
				Step 10 Efficient division	Step 10 Recipes
				Step 11 Solve problems with multiplication and division	

Number - Fractions					
Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Recognise a half of an object or a shape	Step 1 Introduction to parts and whole	Fractions A		Fractions A	Fractions A
Step 2 Find a half of an object or a shape	Step 2 Equal and unequal parts	Step 1 Understand the denominators of unit fractions	Step 1 Understand the whole	Step 1 Find fractions equivalent to a unit fraction	Step 1 Equivalent fractions and simplifying
Step 3 Recognise a half of a quantity	Step 3 Recognise a half	Step 2 Compare and order unit fractions	Step 2 Count beyond 1	Step 2 Find fractions equivalent to a non-unit fraction	Step 2 Equivalent fractions on a number line
Step 4 Find a half of a quantity	Step 4 Find a half	Step 3 Understand the numerators of non-unit fractions	Step 3 Partition a mixed number	Step 3 Recognise equivalent fractions	Step 3 Compare and order (denominator)
Step 5 Recognise a quarter of an object or a shape	Step 5 Recognise a quarter	Step 4 Understand the whole	Step 4 Number lines with mixed numbers	Step 4 Convert improper fractions to mixed numbers	Step 4 Compare and order (numerator)
Step 6 Find a quarter of an object or a shape	Step 6 Find a quarter	Step 5 Compare and order non-unit fractions	Step 5 Compare and order mixed numbers	Step 5 Convert mixed numbers to improper fractions	Step 5 Add and subtract simple fractions
Step 7 Recognise a quarter of a quantity	Step 7 Recognise a third	Step 6 Fractions and scales	Step 6 Understand improper fractions	Step 6 Compare fractions less than 1	Step 6 Add and subtract any two fractions
Step 8 Find a quarter of a quantity	Step 8 Find a third	Step 7 Fractions on a number line	Step 7 Convert mixed numbers to improper fractions	Step 7 Order fractions less than 1	Step 7 Add mixed numbers
	Step 9 Find the whole	Step 8 Count in fractions on a number line	Step 8 Convert improper fractions to mixed numbers	Step 8 Compare and order fractions greater than 1	Step 8 Subtract mixed numbers
	Step 10 Unit fractions	Step 9 Equivalent fractions on a number line	Step 9 Equivalent fractions on a number line	Step 9 Add and subtract fractions with the same denominator	Step 9 Multi-step problem
	Step 11 Non-unit fractions	Step 10 Equivalent fractions as bar models	Step 10 Equivalent fraction families	Step 10 Add fractions within 1	Fractions B
	Step 12 Recognise the equivalence of a half and two-quarters	Fraction B	Step 11 Add two or more fractions	Step 11 Add fractions with total greater than 1	Step 1 Multiply fractions by integers
	Step 13 Recognise three-quarters	Add fractions	Step 12 Add fractions and mixed numbers	Step 12 Add to a mixed number	Step 2 Multiply fractions by fractions
	Step 14 Find three-quarters	Step 2 Subtract fractions	Step 13 Subtract two fractions	Step 13 Add two mixed numbers	Step 3 Divide a fraction by an integer
	Step 15 Count in fractions up to a whole	Step 3 Partition the whole	Step 14 Subtract from whole amounts	Step 14 Subtract fractions	Step 4 Divide any fraction by an integer
		Step 4 Unit fractions of a set of objects	Step 15 Subtract from mixed numbers	Step 15 Subtract from a mixed number	Step 5 Mixed questions with fractions
				Step 16 Subtract from a mixed number – breaking the whole	Step 6 Fraction of an amount

				Step 17 Subtract two mixed number	
				Fractions 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	
Number Decimals and Percentages					
			Year 4	Year 5	Year 6
			Step 1 Tenths as fractions	Step 1 Decimals up to 2 decimal places	Step 1 Place value within 1
			Step 2 Tenths as decimals	Step 2 Equivalent fractions and decimals (tenths)	Step 2 Place value – integers and decimals
			Step 3 Tenths on a place value chart	Step 3 Equivalent fractions and decimals (hundredths)	Step 3 Round decimals
			Step 4 Tenths on a number line	Step 4 Equivalent fractions and decimals	Step 4 Add and subtract decimals
			Step 5 Divide a 1-digit number by 10	Step 5 Thousandths as fractions	Step 5 Multiply by 10, 100 and 1,000
			Step 6 Divide a 2-digit number by 10	Step 6 Thousandths as decimals	Step 6 Divide by 10, 100 and 1,000
			Step 7 Hundredths as fractions	Step 7 Thousandths on a place value chart	Step 7 Multiply decimals by integers
			Step 8 Hundredths as decimals	Step 8 Order and compare decimals (same number of decimal places)	Step 8 Divide decimals by integers
			Step 9 Hundredths on a place value chart	Step 9 Order and compare any decimals with up to 3 decimal places	Step 9 Multiply and divide decimals in context
			Step 10 Divide a 1- or 2-digit number by 100	Step 10 Round to the nearest whole number	
				Step 11 Round to 1 decimal place	Step 1 Decimal and fraction equivalents
				Step 12 Understand percentages	Step 2 Fractions as division
				Step 13 Percentages as fractions	

				Step 14 Percentages as decimals	
				Step 15 Equivalent fractions, decimals and percentages	
				Use known facts to add and subtract decimals within 1 1	
				Step 2 Complements to 1	
				Step 3 Add and subtract decimals across	
				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	
Ratio					
					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

Number - Negative Numbers					
				Year 5	
				Understand negative numbers	
				Step 2 Count through zero in 1s	
				Step 3 Count through zero in multiples	
				Step 4 Compare and order negative numbers	
				Step 5 Find the difference	
Measurement - Time					
Year 1	Year 2	Year 3	Year 4		
Step 1 Before and after	Step 1 O'clock and half past	Step 1 Roman numerals to 12	Step 1 Years, months, weeks and days		
Step 2 Days of the week	Step 2 Quarter past and quarter to	Step 2 Tell the time to 5 minutes	Step 2 Hours, minutes and seconds		
Step 3 Months of the year	Step 3 Tell the time past the hour	Step 3 Tell the time to the minute	Step 3 Convert between analogue and digital times		
Step 4 Hours, minutes and seconds	Step 4 Tell the time to the hour	Step 4 Read time on a digital clock	Step 4 Convert to the 24-hour clock		
Step 5 Tell the time to the hour	Step 5 Tell the time to 5 minutes	Step 5 Use am and pm	Step 5 Convert from the 24-hour clock		
Step 6 Tell the time to the half hour	Step 6 Minutes in an hour	Step 6 Years, months and days			
	Step 7 Hours in a day	Step 7 Days and hours			
		Step 8 Hours and minutes – use start and end times			
Measurement - Mass and Volume					
Year 1	Year 2	Year 3		Year 5	Year 6
Step 1 Heavier and lighter	Step 1 Compare mass	Step 1 Use scales		Step 1 Cubic centimetres	Step 7 Volume – counting cubes
Step 2 Measure mass	Step 2 Measure in grams	Step 2 Measure mass in grams		Step 2 Compare volume	Step 8 Volume of a cuboid
Step 3 Compare mass	Step 3 Measure in kilograms	Step 3 Measure mass in kilograms and grams		Step 3 Estimate volume	
Step 4 Full and empty	Step 4 Four operations with mass	Step 4 Equivalent masses (kilograms and grams)		Step 4 Estimate capacity	
Step 5 Compare volume	Step 5 Compare volume and capacity	Step 5 Compare mass			
Step 6 Measure capacity	Step 6 Measure in millilitres	Step 6 Add and subtract mass			
Step 7 Compare capacity	Step 7 Measure in litres	Step 7 Measure capacity and volume in millilitres			
	Step 8 Four operations with volume and capacity	Step 8 Measure capacity and volume in litres and millilitres			
	Step 9 Temperature	Step 9 Equivalent capacities and volumes (litres and millilitres)			

		Step 10 Compare capacity and volume			
		Step 11 Add and subtract capacity and volume			
Measurement - Length and height, Perimeter and Area					
Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Step 2 Measure length using objects	Step 2 Measure in metres	Step 1 Measure in metres and centimetres	Step 1 Measure in kilometres and metres	Step 1 Perimeter of rectangle	Step 1 Shapes – same area
Step 3 Measure length in centimetres	Step 1 Measure in centimetres	Step 2 Measure in millimetres	Step 2 Equivalent lengths (kilometres and metres)	Step 2 Perimeter of rectilinear shapes	Step 2 Area and perimeter
Step 1 Compare lengths and heights	Step 3 Compare lengths and heights	Step 3 Measure in centimetres and millimetres	Step 3 Perimeter on a grid	Step 3 Perimeter of polygons	Step 3 Area of a triangle – counting squares
Step 4 Add and subtract length and height	Step 4 Order lengths and heights	Step 4 Metres, centimetres and millimetres	Step 4 Perimeter of a rectangle	Step 4 Area of rectangles	Step 4 Area of a right-angled triangle
	Step 5 Four operations with lengths and heights	Step 5 Equivalent lengths (metres and centimetres)	Step 5 Perimeter of rectilinear shapes	Step 5 Area of compound shapes	Step 5 Area of any triangle
		Step 7 Compare lengths	Step 6 Find missing lengths in rectilinear shapes	Step 6 Estimate area	Step 6 Area of a parallelogram
		Step 8 Add lengths	Step 7 Calculate perimeter of rectilinear shapes		
		Step 9 Subtract lengths	Step 8 Perimeter of regular polygons		
		Step 11 Measure perimeter			
		Step 12 Calculate perimeter			
Measurement - Money					
Year 1	Year 2	Year 3	Year 4		
Step 1 Unitising	Step 1 Count money – pence	Pounds and pence	Write money using decimals		
Step 2 Recognise coins	Step 2 Count money – pounds (notes and coins)	Step 2 Convert pounds and pence	Step 2 Convert between pounds and pence		
Step 3 Recognise notes	Step 3 Count money – pounds and pence	Step 3 Add money	Step 3 Compare amounts of money		
Step 4 Count in coins	Step 4 Choose notes and coins	Step 4 Subtract money	Step 4 Estimate with money		
	Step 5 Make the same amount	Step 5 Find change	Step 5 Calculate with money		
	Step 6 Compare amounts of money		Step 6 Solve problems with money		
	Step 7 Calculate with money				
	Step 8 Make a pound				
Geometry - Statistics					
Year 1	Year 2	Year 3	Year 4	Year 5	Year 6

	Step 1 Make tally charts	Step 1 Interpret pictograms	Step 1 Interpret charts	Step 1 Draw line graphs	Step 1 Line graphs
	Step 2 Tables	Step 2 Draw pictograms	Step 2 Comparison, sum and difference	Step 2 Read and interpret line graphs	Step 2 Dual bar charts
	Step 3 Block diagrams	Step 3 Interpret bar charts	Step 3 Interpret line graphs	Step 3 Read and interpret tables	Step 3 Read and interpret pie charts
	Step 4 Draw pictograms (1–1)	Step 4 Draw bar charts	Step 4 Draw line graphs	Step 4 Two-way tables	Step 4 Pie charts with percentages
	Step 5 Interpret pictograms (1–1)	Step 5 Collect and represent data		Step 5 Read and interpret timetables	Step 5 Draw pie charts
	Step 6 Draw pictograms (2, 5 and 10)	Step 6 Two-way tables			Step 6 The mean
	Step 7 Interpret pictograms (2, 5 and 10)				
Geometry - Position and Direction					
Year 1	Year 2		Year 4	Year 5	Year 6
Step 1 Describe turns	Step 1 Language of position		Step 1 Describe position using coordinates	Step 1 Read and plot coordinates	The first quadrant
Step 2 Describe position – left and right	Step 2 Describe movement		Step 2 Plot coordinates	Step 2 Problem solving with coordinates	Step 2 Read and plot points in four quadrants
Step 3 Describe position – forwards and backwards	Step 3 Describe turns		Step 3 Draw 2-D shapes on a grid	Step 3 Translation	Step 3 Solve problems with coordinates
Step 4 Describe position – above and below	Step 4 Describe movement and turns		Step 4 Translate on a grid	Step 4 Translation with coordinates	Step 4 Translations
Step 5 Ordinal numbers	Step 5 Shape patterns with turns		Step 5 Describe translation on a grid	Step 5 Lines of symmetry	Step 5 Reflections
					Step 6 Reflection in horizontal and vertical lines
Geometry - Shape					
Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Step 1 Recognise a half of an object or a shape	Step 1 Introduction to parts and whole	Step 1 Turns and angles	Step 1 Understand angles as turns	Understand and use degrees	Step 1 Measure and classify angles
Step 2 Find a half of an object or a shape	Step 2 Equal and unequal parts	Step 2 Right angles	Step 2 Identify angles	Step 2 Classify angles	Step 2 Calculate angles
Step 3 Recognise a half of a quantity	Step 3 Recognise a half	Step 3 Compare angles	Step 3 Compare and order angles	Step 3 Estimate angles	Step 3 Vertically opposite angles
Step 4 Find a half of a quantity	Step 4 Find a half	Step 4 Measure and draw accurately	Step 4 Triangles	Step 4 Measure angles up to 180°	Step 4 Angles in a triangle
Step 5 Recognise a quarter of an object or a shape	Step 5 Recognise a quarter	Step 5 Horizontal and vertical	Step 5 Quadrilaterals	Step 5 Draw lines and angles accurately	Step 5 Angles in a triangle – special cases
Step 6 Find a quarter of an object or a shape	Step 6 Find a quarter	Step 6 Parallel and perpendicular	Step 6 Polygons	Step 6 Calculate angles around a point	Step 6 Angles in a triangle – missing angles

Step 7 Recognise a quarter of a quantity	Step 7 Recognise a third	Step 7 Recognise and describe 2-D shapes	Step 7 Lines of symmetry	Step 7 Calculate angles on a straight line	Step 7 Angles in a quadrilateral
Step 8 Find a quarter of a quantity	Step 8 Find a third	Step 8 Draw polygons	Step 8 Complete a symmetric figure	Step 8 Lengths and angles in shapes	Step 8 Angles in polygons
	Step 9 Find the whole	Step 9 Recognise and describe 3-D shapes		Step 9 Regular and irregular polygons	Step 9 Circles
	Step 10 Unit fractions	Step 10 Make 3-D shapes		Step 10 3-D shapes	Step 10 Draw shapes accurately
	Step 11 Non-unit fractions				Step 11 Nets of 3-D shapes
	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				

