Reception Yearly Overview

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12	Week 13	Week 14
Autumn	**Getting to know you**				**Just like me!**			**It's me 1,2,3!**			**Light and Dark**			consolidation
					Number: ● Match and sort ● Compare amounts **Measure, shape and spatial thinking:** ● Compare size, mass and capacity ● Exploring pattern			**Number:** ● Representing 1,2 and 3 ● Comparing 1,2 and 3 ● Composition of 1,2 and 3 **Measure, shape and spatial thinking:** ● Circles and triangles ● Positional language			**Number:** ● Representing numbers to 5 ● One more and less **Measure, shape and spatial thinking:** ● Shapes with 4 sides ● Time			
Spring	**Alive in 5!**				**Growing 6,7,8**				**Building 9 and 10**			consolidation		
	Number: ● Introducing zero ● Comparing numbers to 5 ● Composition of 4 and 5 **Measure, shape and spatial thinking:** ● Compare mass ● Compare capacity				**Number:** ● 6, 7, and 8 ● Combining 2 amounts ● Making pairs **Measure, shape and spatial thinking:** ● Length, height and time				**Number:** ● Counting to 9 and 10 ● Comparing numbers to 10 ● Bonds to 10 **Measure, shape and spatial thinking:** ● 3D shape ● Patterns					
Summer	**To 20 and beyond**			**First, then, now**			**Find my pattern**			**On the move**				consolidation
	Number: Building numbers beyond 10 Counting patterns beyond 10 **Measure, shape and spatial thinking:** Spatial reasoning Match, rotate, manipulate			**Number:** ● Adding more ● Take away **Measure, shape and spatial thinking:** ● Spatial reasoning ● Compose and decompose			**Number:** ● Doubling ● Sharing and grouping ● Even and odd **Measure, shape and spatial thinking:** ● Spatial reasoning ● Visualise and build			**Number:** ● Deepening understanding ● Patterns and relationships **Measure, shape and spatial thinking:** ● Spatial reasoning ● Mapping			

Year 1 Yearly Overview

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12	Week 13	Week 14
Autumn		**Number: Place Value (within 10)**			**Number: Addition and Subtraction (within 10)**				**Time:**		**Geometry: 2D Shape**	**Number: Place Value (within 20)**		**Consolidation**
	Number games; counting from 0-20 and back again.	Identify and represent numbers using objects and pictorial representations.	Given a number, identify one more and one less. Introduce number line. Look at where the numbers are on the number line.	Recognise odd and even numbers. Use numicon pieces to investigate what happens when you add two odd numbers together etc.	Add two groups together by counting all. Represent and use number bonds within 10. Introduce + and = (means the same as or equal to)	Add by counting forwards. Solve practical problems with terms: add, altogether, total, more than	Subtract by taking away and counting back. Introduce - and = (means the same as or equal to)	**Assess and Review week**	Explore clocks and make our own. Sequence events in chronological order using language (e.g. before and after, next, first, today etc)	Recognise and use language relating to dates, including days of the week, weeks, months and years. Introduce o'clock. Practise making different times (o'clock only)	Recognise and name common 2D shapes including: rectangles including squares, oblongs, circle, triangle etc	Read and write numbers from 1-20 in numerals and words.	Use the language of: equal to, more than, less than (fewer), most, least	
Spring	**Number: Addition and Subtraction (within 20)**			**Geometry: 3D shape**	**Number: Place Value (within 50) (Multiples of 2, 5 and 10 to be included)**			**Measurement: Length and Height**		**Measurement: Weight and Volume**				
	Represent and use number bonds and related subtraction facts within 20.	Add and subtract one-digit and two-digit numbers to 20, including zero	Solve one-step problems that involve addtion and subtraction, using concrete objects. Solve missing number problems such as 7 = __ - 9.	Recognise and name common 3D shapes, including: cuboids, including cubes, pyramids and spheres.	Count, read and write numbers to 100 in numerals. Count in multiples of 2s Solve missing number problems such as 7 = __ - 9.	Read and write numbers from 1-20 in numerals and words. Count in multiples of 5s.	Given a number, identify 10 more and 10 less. Count in multiples of 10s.	Compare, describe and solve practical problems for: Lengths and heights (for example, long/short, longer/shorter, tall/short, double/half)	Measure and begin to record the following: lengths and heights {starting with non-standard units e.g. cubes and moving on to manageable common standard units.]	Compare, describe and solve practical problems for: Mass and weight (for example, heavy/light, heavier than, lighter than}	Measure and begin to record the following: mass and weight {starting with non-standard units e.g. cubes and moving on to manageable common standard units.]	**Consolidation**		
Summer	**Number: Multiplication and Division (Reinforce multiples of 2, 5 and 10 to be included)**			**Number: Fractions**		**Geometry: Position and Direction**	**Time: o'clock and half past**	**Measurement: money**	**Number: Place Value (within 100)**					
	Solve one-step problems involving multiplication using concrete objects, pictorial representations and arrays. Revise: Count, read and write numbers to 100 in numerals. Count in multiples of 2s	Solve one-step problems involving division using concrete objects, pictorial representations and arrays. Show division as sharing. Revise: read and write numbers from 1-20 in numerals and words. Count in multiples of 5s.	Solve one-step problems involving division using concrete objects, pictorial representations and arrays. Show division as grouping. Revise: Given a number, identify 10 more and 10 less. Count in multiples of 10s.	Recognise, find and name a half as one of two equal parts of an object, shape or quantity.	Recognise, find and name a quarter as one of four equal parts of an object, shape or quantity.	Describe position, direction, movement, including whole, ½, ¼ turns.	Tell the time to the hour and half past the hour. Compare, describe and solve practical problems for: time (slower, quicker, earlier, later). Measure and begin to record the following: time (hours, minutes, seconds).	Recognise and know the value of different denominations of coins and notes.	Revise number bonds to 20. Represent and use number bonds and related subtraction facts within 20. Solve practical problems	Add and subtract one-digit and two-digit numbers to 20, including zero. Solve missing number problems such as 7 = __ - 9.	Solve missing number problems such as 7 = __ - 9.	**Consolidation**		

Year 2 – Yearly Overview

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12	Week 13	Week 14
Autumn		**Number: Place Value**		**Number: Addition and Subtraction**			**Measurement: Length and height**		**Measurement: Capacity**	**Measurement: Money**		**Number: Multiplication and Division**		
	Revise place value from Year 1	Count in steps of 2 and 5 from 0 forward and backward. Recognise the place value of each digit in a two-digit number (10s and 1s). Compare and order numbers from 0 up to 100; use <.> and = signs.	Count in steps of 3 from any number, forward and backward. Compare and order numbers from 0 up to 100; use <.> and = signs. Identify, represent and estimate numbers using different representations, including the number line.	Recall and use addition and subtraction facts to 20 fluently, and derive and use related facts up to 100. Show that addition of two numbers can be done in any order (commutative) and that subtraction of one number from another cannot.	Add and subtract numbers using concrete objects, pictorial representations, and mentally, including: a two-digit number and ones; a two-digit number and tens.	Add and subtract numbers using concrete objects, pictorial representations, and mentally, including: two two-digit numbers; adding three one-digit numbers. Recognise and use the inverse relationship between addition and subtraction and use this to check calculations and solve missing number problems.	Choose and use appropriate standard units to estimate and measure length/height in any direction (cm/m) using rulers. Compare and order lengths and record the results using <, > and =.	**Assess and Review week**	Choose and use appropriate standard units to estimate and measure capacity (l/ml) using jugs. Compare and order volume/capacity and record the results using <, > and =.	Recognise and use symbols for $ and p; combine amounts to make a particular value. Find different combinations of coins that equal the same amounts of money.	Solve simple problems in a practical context involving addition and subtraction of money of the same unit, including giving change.	Recall and use multiplication facts for the 2, 5 and 10 times tables, including recognising odd and even numbers.	Recall and use division facts for the 2, 5 and 10 times tables, including recognising odd and even numbers. Show that multiplication of two numbers can be done in any order (commutative) and division of one number by another cannot.	**Consolidation**
Spring	**Number: Multiplication and Division**		**Statistics**		**Geometry: 2D Shape**	**Geometry: 3D Shape**	**Measurement: Temperature and Capacity**	**Number: Fractions**		**Measurement: Time**	**Measurement: Mass**	**Consolidation**		
	Calculate mathematical statements for multiplication within the multiplication tables and write them using x and =. Solve problems involving multiplication, using materials, arrays, repeated addition, mental methods, multiplication facts, including problems in contexts.	Calculate mathematical statements for division within the multiplication tables and write them using division sign and =. Solve problems involving division, using materials, arrays, repeated addition, mental methods, division facts, including problems in contexts.	Interpret and construct simple pictograms, tally charts, block diagrams and simple tables.	Ask and answer simple questions by counting the number of objects in each category and sorting the categories by quantity. Ask and answer questions about totalling and comparing categorical data.	Identify and describe the properties of 2D shapes, including the number of sides and line symmetry in a vertical line. Identify 2D shapes on the surface of 3D shapes, (e.g. circle on a cylinder).	Identify and describe the properties of 3D shapes, including the number of edges, vertices and faces. Compare and sort common 2D and 3D shapes and everyday objects.	Choose and use appropriate standard units to estimate and measure temperature (o c) using thermometer. Choose and use appropriate standard units to estimate and measure capacity (l/ml) using jugs. Compare and order volume/capacity and record the results using <, > and =.	Recognise, find, name and write fractions 1/3, ¼, 2/4 and ¾ of a length, shape, set of objects or quantity.	Write simple fractions for example, ½ of 6=3. Recognise the equivalence of 2/4 and ½.	Compare and sequence intervals of time. Tell and write the time to 5 minutes, including ¼ past/to the hour and draw the hands on a clock face to show these times. Know the number of minutes in an hour and the number of hours in a day.	Choose and use appropriate standard units to estimate and measure mass (kg/g) using scales. Compare and order mass and record the results using <, > and =.			
Summer	**Geometry: Position and Direction**	**Problem-solving**	**SATS revision**			**Measurement: Time**	**Number: Place Value**	**Number: Addition and subtraction**	**Number: Multiplication and division**	**Problem solving**	**Investigations**			
	Order and arrange combinations of mathematical objects in patterns and sequences. Use mathematical vocabulary to describe position, direction and movement, including movement in a straight line and distinguishing between rotation as a turn and in terms of right angles for ¼, ½ and ¾ turns (clockwise and anti-clockwise).	Use place value and number facts to solve problems. Solve addition and subtraction problems. (use pictorial representations)	As necessary, but to include all topics covered so far and focus on application. Read and write numbers to at least 100 in numerals and words.			Compare and sequence intervals of time. Tell and write the time to 5 minutes, including ¼ past/to the hour and draw the hands on a clock face to show these times. Know the number of minutes in an hour and the number of hours in a day.	Revise the place value of each digit in a two-digit number (10s and 1s). Identify, represent and estimate numbers using different representations, including the number line.	Add and subtract numbers using concrete objects, pictorial representations, and mentally, including: a two-digit number and ones; a two-digit number and tens. two two-digit numbers; adding three one-digit numbers. Revise missing number problems.	Calculate mathematical statements for multiplication and division within the multiplication tables and write them using x and =.	Solve problems involving multiplication, using materials, arrays, repeated addition, mental methods, multiplication and division facts, including problems in contexts.	Practical mathematical investigations to include problem-solving and challenges.	**Consolidation**		

Year 3 – Yearly Overview

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12	Week 13	Week 14
Autumn	**Number – Place Value**			**Number – Addition and Subtraction**			**Geometry - Shape**		**Geometry - Shape**	**Number – Multiplication and Division**				**Consolidation**
	Count from 0 in multiples of 4, 8, 50 and 100; Identify, represent and estimate numbers using different representations.	Find 10 or 100 more or less than a given number. Solve number problems and practical problems involving these ideas.	Compare and order numbers up to 1000. Read and write numbers up to 1000 in numerals and in words.	Add and subtract numbers mentally, including: a three-digit number and ones; a three-digit number and tens; a three-digit number and hundreds.	Add and subtract numbers mentally, including: a three-digit number and ones; a three-digit number and tens; a three-digit number and hundreds. Add and subtract numbers with up to three digits, using formal written methods of columnar addition and subtraction.	Estimate the answer to a calculation and use inverse operations to check answers. Solve problems, including missing number problems, using number facts, place value, and more complex addition and subtraction.	Draw 2D shapes and make 3D shapes using modelling materials; recognise 3D shapes in different orientations and describe them.	Assess and Review Week	Recognise 3D shapes in different orientations and describe them. Identify horizontal and vertical lines and pairs of perpendicular and parallel lines.	Recall and use multiplication and division facts for the 3, 4 and 8 multiplication tables.	Recall and use multiplication and division facts for the 3, 4 and 8 multiplication tables. Write and calculate mathematical statements for multiplication and division using the multiplication tables that they know.	Write and calculate mathematical statements for multiplication and division for two-digit numbers times one-digit numbers, using mental and progressing to formal written methods.	Recall and use multiplication and division facts for the 3, 4 and 8 multiplication tables. Write and calculate mathematical statements for multiplication and division using the multiplication tables that they know, including for two-digit numbers times one-digit numbers, using mental and progressing to formal written methods.	
Spring	**Number – Multiplication and Division**		**Time – Roman Numerals**	**Measurement – Money**	**Statistics**		**Measurement: length and perimeter**		**Measurement – mass and capacity**	**Number - Fractions**				
	Recall and use multiplication and division facts for the 3, 4 and 8 multiplication tables. Write and calculate mathematical statements for multiplication and division using the multiplication tables that they know, including for two-digit numbers times one-digit numbers, using mental and progressing to formal written methods.	Recall and use multiplication and division facts for the 3, 4 and 8 multiplication tables. Solve problems, including missing number problems, involving multiplication and division, including positive integer scaling problems and correspondence problems in which n objects are connected to m objects.	Tell and write the time from an analogue clock, including using Roman numerals from I-XII, and 12-hour and 24-hour clocks.	Add and subtract amounts of money to give change, using both £ and p in practical contexts.	Interpret and present data using bar charts, pictograms and tables.	Solve one-step and two-step questions [for example, 'How many more?' and 'How many fewer?'] using information presented in scaled bar charts and pictograms and tables.	Measure, compare, add and subtract: lengths (m/cm/mm);	Measure the perimeter of simple 2D shapes.	Measure, compare, add and subtract: mass (kg/g); volume/capacity (l/ml)	Count up and down in tenths; recognise that tenths arise from dividing an objects into 10 equal parts and in dividing one-digit numbers or quantities by 10. Recognise, find and write fractions of a discrete set of objects: unit fractions and non-unit fractions with small denominators. Compare and order unit fractions and fractions with the same denominators.	Recognise and use fractions as numbers: unit fractions and non-unit fractions with small denominators. Recognise and show, using diagrams, equivalent fractions with small denominators. Add and subtract fractions with the same denominator within one whole [for example, 5/7 + 1/7 = 6/7]	**Consolidation**	
Summer	**Number – Fractions**		**Measurement – Money**	**Measurement – Time**			**Geometry – Shape**		**Measurement: Mass and Capacity**	**Problem solving**				
	Count up and down in tenths; recognise that tenths arise from dividing an objects into 10 equal parts and in dividing one-digit numbers or quantities by 10. Recognise, find and write fractions of a discrete set of objects: unit fractions and non-unit fractions with small denominators. Compare and order unit fractions and fractions with the same denominators.	Recognise and use fractions as numbers: unit fractions and non-unit fractions with small denominators. Recognise and show, using diagrams, equivalent fractions with small denominators. Add and subtract fractions with the same denominator within one whole [for example, 5/7 + 1/7 = 6/7]	Add and subtract amounts of money to give change, using both £ and p in practical contexts.	Revise telling the time. Estimate and read time with increasing accuracy to the nearest minute; record and compare time in terms of seconds, minutes and hours; use vocabulary such as o'clock, am/pm, morning, afternoon, noon and midnight.	Know the number seconds in a minute and the number of days in each month, year and leap year. Revise 12 and 24-hour clock and Roman Numerals.	Revise 12 and 24-hour clock and Roman Numerals. Compare durations of events [for example to calculate the time taken by particular events or tasks].	Recognise 3D and 2D shapes in different orientations and describe them. Recognise angles as a property of shape or a description of a turn.	Identify right angles, recognise that two right angles make a half-turn, three make ¾ of a turn and 4 make a complete turn; identify whether angles are greater than or less than a right angle.	Measure, compare, add and subtract: mass (kg/g); volume/capacity (l/ml)	Solve problems including addition and subtraction and fractions.	Solve problems including addition and subtraction and fractions.	**Consolidation**		

Year 4 – Yearly Overview

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12	Week 13	Week 14
Autumn	**Number – Place Value**				**Number – Addition and Subtraction**					**Measurement – Length and Perimeter**	**Number – Multiplication and Division**			**Consolidation**
	Count in multiples of 6, 7, 9. Recognise the place value of each digit in a four-digit number (thousands, hundreds, tens and ones).	Count in multiples of 6, 7, 9. Identify, represent and estimate numbers using different representations.	Count in multiples of 25 and 1000. Find 1000 more or less than a given number. Round any number to the nearest 10, 100 or 1000.	Count in multiples of 25 and 1000. Count backwards through zero to include negative numbers. Read Roman numerals to 100 (I to C) and know that over time, the numeral system changed to include the concept of zero and place value.	Add and subtract numbers with up to 4 digits using the formal written methods of columnar addition and subtraction where appropriate.	Estimate and use inverse operations to check answers to a calculation.	Solve addition and subtraction two-step problems in contexts, deciding which operations and methods to use and why.	Assess and review week	Revise perimeter from Year 3: measure the perimeter of simple 2-D shapes. The comparison of measures includes simple scaling by integers (for example, a given quantity or measure is twice as long or five times as high) and this connects to multiplication.	measure and calculate the perimeter of a rectilinear figure (including squares) in centimetres and metres	Recall multiplication and division facts for multiplication tables up to 12 x 12. Recognise and use factor pairs and commutativity in mental calculations.	Recall multiplication and division facts for multiplication tables up to 12 x 12. Use place value, know and derived facts to multiply and divide mentally, including: multiplying by 0 and 1; dividing by 1; multiplying together three numbers.	Recall multiplication and division facts for multiplication tables up to 12 x 12. Multiply two-digit and three-digit numbers by a one-digit number using formal written layout.	
Spring	**Number – Multiplication and Division**		**Time**	**Measurement – perimeter and area**	**Fractions**			**Geometry – Properties of shape**	**Geometry – shape**	**Decimals**				
	Recall multiplication and division facts for multiplication tables up to 12 x 12. Solve problems involving multiplying and adding, including using the distributive law to multiply two digit numbers by one digit, integer scaling problems and harder correspondence problems such as n objects are connected to m objects.	Recall multiplication and division facts for multiplication tables up to 12 x 12. Solve problems involving multiplying and adding, including using the distributive law to multiply two digit numbers by one digit, integer scaling problems and harder correspondence problems such as n objects are connected to m objects.	Read, write and convert time between analogue and digital 12- and 24-hour clocks. Solve problems involving converting from hours to minutes; minutes to seconds; years to months; weeks to days.	Measure and calculate the perimeter of a rectilinear figure (including squares) in centimetres and metres/ Find the area of rectilinear shapes by counting squares.	Recognise and show, using diagrams, families of common equivalent fractions. Count up and down in hundredths; recognise that hundredths arise when dividing an object by one hundred and dividing tenths by ten.	Add and subtract fractions with the same denominator.	Recognise and write decimal equivalents of any number of tenths or hundredths. Recognise and write decimal equivalents to ¼, ½, 3/4	Compare and classify geometric shapes, including quadrilaterals and triangles, based on their properties and sizes.	Identify acute and obtuse angles and compare and order angles up to two right angles by size. Identify lines of symmetry in 2D shapes presented in different orientations. Complete a simple symmetric figure with respect to a specific line of symmetry.	Recognise and write decimal equivalents of any number of tenths or hundredths. Recognise and write decimal equivalents to ¼, ½, ¾ .	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, hundredths. Compare numbers with the same number of decimal places up to two decimal places.	**Consolidation**		
Summer	**Decimals**		**Measurement**		**Time**	**Statistics**	**Geometry - position and direction**	**Geometry – Properties of Shape**			**Geometry – position and direction**			
	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. Round decimals with one decimal place to the nearest whole number.	Compare numbers with the same number of decimal places up to two decimal places. Solve simple measure and money problems involving fractions and decimals to two decimal places.	Estimate, compare and calculate different measures, including money in pounds and pence.	Convert between different units of measure [for example, kilometre to metre; hour to minute]. Estimate, compare and calculate different measures, including metres and kilometres.	Read, write and convert time between analogue and digital 12- and 24-hour clocks. Solve problems involving converting from hours to minutes; minutes to seconds; years to months; weeks to days.	Interpret and present discrete and continuous data using appropriate graphical methods, including bar charts and time graphs. Solve comparison, sum and difference problems using information presented in bar charts, pictograms, tables and other graphs.	Describe positions on a 2D grid as coordinates in the first quadrant. Describe movements between positions as translations of a given unit to the left/right and up/down. Plot specified points and draw sides to complete a given polygon.	Compare and classify geometric shapes, including quadrilaterals and triangles, based on their properties and sizes.	Identify acute and obtuse angles and compare and order angles up to two right angles by size.	Identify lines of symmetry in 2D shapes presented in different orientations. Complete a simple symmetric figure with respect to a specific line of symmetry.	Describe positions on a 2D grid as coordinates in the first quadrant. Describe movements between positions as translations of a given unit to the left/right and up/down. Plot specified points and draw sides to complete a given polygon.	**Consolidation**		

Year 5 – Yearly Overview

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6						Week 12	Week 13	Week 14
Autumn	**Number – Place Value**			**Number – Addition and Subtraction**		**Statistics**			**Number – Multiplication and Division**			**Measures: Perimeter and Area**		**Consolidation**
	Read, write, order and compare numbers to at least 1 000 000 and determine the value of each digit. Interpret negative numbers in context, count forward and backwards with positive and negative whole numbers, including through zero.	Count forwards or backwards in steps of powers of 10 for any given number up to 1,000,000. Round any number up to 1 000 000 to the nearest 10, 100, 1000, 10 000 and 100 000.	Read Roman numerals to 1000 (M) and recognise years written in Roman numerals. Solve number problems and practical problems that use our knowledge of PV learnt over the last three weeks.	Add and subtract whole numbers with more than 4 digits, including using formal written methods (columnar addition and subtraction). Add and subtract numbers mentally with increasingly large numbers.	Use rounding to check answers to calculations and determine, in the context of a problem, levels of accuracy. Solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why.	Solve comparison, sum and difference problems using information presented in a line graph.	Complete, read and interpret information in tables, including timetables.	**Assess and review week**	Identify multiples and factors, including finding all factor pairs of a number, and common factors of two numbers.	Know and use the vocabulary of prime numbers, prime factors and composite (non-prime) numbers. Establish whether a number up to 100 is prime and recall prime numbers up to 19.	Multiply and divide numbers mentally drawing upon know facts. Multiply and divide whole numbers and those involving decimals by 10, 100 and 1000.	Measure and calculate the perimeter of composite rectilinear shapes in cm and m.	Calculate and compare the area of rectangles (including squares), and including using standard units, square centimetres and square meters and estimate the area of irregular shapes.	
Spring	**Number – Multiplication and Division**			**Number – Fractions**					**Number – Decimals and Percentages**					
	Multiple and divide numbers mentally drawing upon known factions. Multiply numbers up to 4 digits by a one- or two-digit number using a formal written method, including long multiplication for two-digit numbers.	Multiply numbers up to 4 digits by a one- or two-digit number using a formal written method, including long multiplication for two-digit numbers.	Divide numbers up to 4 digits by a one-digit number using the formal written method of short division and interpret remainders appropriately for the context.	Compare and order fractions whose denominators are all multiples of the same number. Identify name and write equivalent fractions of a given fraction, represented visually, including tenths and hundredths.	Recognise mixed numbers and improper fractions and convert from one form to the other and write mathematical statements >1 as a mixed number [for example, 2/5 + 4/5 = 6/5 = 1 1/5]	Add and subtract fractions with the same denominator and denominators that are multiples of the same number.	Multiply proper fractions and mixed numbers by whole numbers, supported by materials and diagrams.	Read and write decimal numbers as fractions [for example, 0.71 = 71/100].	Recognise and use thousandths and relate them to tenths, hundredths and decimal equivalents. Round decimals with two decimal places to the nearest whole number and to one decimal place.	Solve problems involving number up to three decimal places. Recognise the percent symbol (%) and understand that percent relates to 'number of parts per hundred', and write percentages as a fraction with denominator 100, and as a decimal.	Solve problems which require knowing percentage and decimal equivalents of ½, ¼. 1/5. 2/5, 4/5 and those fractions with a denominator of a multiple of 10 or 25.	**Consolidation**		
Summer	**Problem-Solving**	**Number – Multiplication and division**			**Geometry – Properties of Shapes**			**Geometry – Position and Directions**	**Measurement – Converting Units**		**Measures – Volume**			
	Solve problems involving converting between units of time. Use all four operations to solve problems involving measure [for example, length, mass, volume, money] using decimal notation, including scaling.	Recognise and use square numbers and cube numbers, and the notation for squared (^{2}) and cubed (^{3}). Solve problems involving multiplication and division including using their knowledge of factors and multiples, squares and cubes.	Solve problems involving addition, subtraction, multiplication and division and a combination of these, including understanding the meaning of the equals sign.	Solve problems involving multiplication and division, including scaling by simple fractions and problems involving simple rates.	Identify 3D shapes, including cubes and other cuboids, from 2D representations.	Know angles are measure in degrees: estimate and compare acute, obtuse and reflex angles. Draw given angles, and measure them in degrees (°). Identify: angles at a point and one whole turn (total 360°); angles at a point on a straight line and ½ a turn (total 1800); other multiples of 90°.	Use the properties of rectangles to deduce related facts and find missing lengths and angles. Distinguish between regular and irregular polygons based on reasoning about equal sides and angles.	Identify, describe and represent the position of a shape following a reflection or translation, using the appropriate language, and know that the shape has not changed.	Convert between different units of metric measure (for example, km and m; cm and m; cm and mm; g and kg; l and ml).	Understand and use approximate equivalences between metric units and common imperial units such as inches, pounds and pints.	Estimate volume [for example, using 1 cm^3 blocks to build cuboids (including cubes)] and capacity [for example, using water].	**Consolidation**		

Year 6 – Yearly Overview

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12	Week 13	Week 14	Week 15
Autumn	**Number – Place Value**		**Number – Addition, Subtraction, Multiplication and Division**				**Geometry – Position and Direction**	**Fractions**			**Number - Decimals**		**Number - Percentages**		**Consolidation**
	Read, write, order and compare numbers up to 10 000 000 and determine the value of each digit. Round any whole number to a required degree of accuracy.	Use negative numbers in context, and calculate intervals across zero. Solve number and practical problems using place value up to 10 000 000, rounding whole numbers, using negative numbers and calculating intervals across zero.	Solve addition and subtraction multi-step problems in contexts, deciding which method to use and why. Perform mental calculations, including with mixed operations and large numbers. Solve problems involving addition and subtraction.	Solve addition and subtraction multi-step problems in contexts, deciding which method to use and why. Use their knowledge of the order of operations to carry out calculations involving the four operations. Solve problems involving addition and subtraction.	Multiply multi-digit numbers up to 4 digits by a two-digit whole number using the formal written method of long multiplication. Identify common factors, common factors, common multiples and prime numbers. Solve problems involving multiplication and division. Use estimation to check answers to calculations and determine, in the context of a problem, an appropriate degree of accuracy.	Divide numbers up to 4 digits by a two-digit whole 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 the context. Solve problems involving multiplication and division.	Describe positions on the full coordinate grid (all four quadrants). Draw and translate simple shapes on the coordinate plane, and reflect them in the axes.	Use common factors to simplify fractions; use common multiples to express fractions in the same denomination.	Compare and order fractions, including fractions >1. 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 by whole numbers [for example, 1/3 divide 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]. 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.	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 round to be rounded to specified degrees of accuracy.	Recall and use equivalences between simple fractions, decimals and percentages, including in different contexts.	
Spring	**Shape – properties of shape**		**Measures –Perimeter, Area and Volume**		**Number - Algebra**		**Revision Fractions, Decimals and Percentages**	**Number – Ratio**	**Proportion**	**Measures – Converting Units**		**Consolidation**			
	Draw 2D shapes using given dimensions and angles. Recognise, describe and build simple 3D shapes, including making nets. Compare and classify geometric shapes based on their properties and sizes and find unknown angles in angles in any triangles, quadrilaterals and regular polygons.	Illustrate and name parts of circles, including radius, diameter and circumference and know that the 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. Recognise when it is possible to use formulae for area and volume of shapes.	Calculate the area of parallelograms and triangles. Calculate, estimate and compare volume of cubes and cuboids using standard units, including cubic centimetres (cm^3) and cubic meters (m^3), and extending to other units [for example, mm^3 and km^3].	Use simple formulae. Generate and describe linear number sequences. Express missing number problems algebraically.	Find pairs of numbers that satisfy an equation with two unknowns. Enumerate possibilities of combinations of two variables.		Solve problems involving the relative sizes of two quantities where missing values can be found by using integer multiplication and division facts. Solve problems involving the calculation of percentages [for example, of measures, and such as 15% of 360] and the use of percentages for comparison.	Solve problems involving similar shapes where the scale factor is known or can be found. Solve problems involving unequal sharing and grouping using knowledge of fractions and multiples.	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.	Use, read, write and convert between standard units, converting measurements of length, mass, volume and time from a small unit of measure to a larger unit, and vice versa, using decimal notation to up to three decimal places.	**Consolidation**			
Summer	**Problem-solving**	**Statistics**		**SATS WEEK**	**Revision**	**Investigations**									
	Solve problems involving addition, subtraction, multiplication and division.	Interpret and construct pie charts and line graphs and use these to solve problems. Calculate and interpret the mean as an average. Read Roman numerals to 100 (I to C) and know that over time, the numeral system changed to include the concept of zero and place value.	Interpret and construct pie charts and line graphs and use these to solve problems. Calculate and interpret the mean as an average. Read Roman numerals to 100 (I to C) and know that over time, the numeral system changed to include the concept of zero and place value.	**SATS WEEK**	Revision of any topics that several children found challenging in SATS papers.	Investigations – problem solving.	Investigations – graphs/charts	Investigations – surface area/using algebra and area and volume	Explanations focusing on vocabulary		**Consolidation**	**Consolidation**			