Maths
Unit of Study Overview

	Autumn		Spring		Summer	
	Term 1	**Term 2**	**Term 1**	**Term 2**	**Term 1**	**Term 2**
EYFS	Number Sense Numbers to 5 Patterns/ Shape		Number Sense Numbers to 10	Practical addition and subtraction Tally system/ Data System	Number Sense to 20 Halving and Doubling Money	Measurement Shape Estimation
Year 1	Number and Place Value Measurement – length/ height		Properties of Shape Addition and Subtraction Measurement - mass/capacity/volume/ money		Multiplication and Division Fractions Geometry Time	
Year 2	Number and Place Value Addition and Subtraction Measurement Statistics		Money Multiplication and Division Statistics		Time Fractions Geometry	
Year 3	Number and Place Value Addition and Subtraction Measures Statistics		Multiplication and Division Time Money Statistics		Fractions Geometry	
Year 4	Number and Place Value Addition and Subtraction Statistics		Multiplication and Division Fractions		Geometry Time Measures	
Year 5	Number and Place Value Addition and Subtraction Statistics		Multiplication and Division Fractions		Fractions Geometry Measures Time	
Year 6	Number and Place Value Four Operations Statistics		Algebra Fractions Measurement		Statistics Geometry Ratio and Proportion	

Key (if required)	
	Application units

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	Autumn		Spring		Summer	
	Term 1	Term 2	Term 1	Term 2	Term 1	Term 2
EYFS	**Number Sense** • Can I match objects that are the same? • Can I match pictures to the correct objects? • Can I identify a set of objects? • Can I sort objects by their type? • Can I explore different ways to sort objects? • Can I create my own sorting rules? • Can I compare amounts and say which has more, fewer, or the same? **Numbers to 5** • Can I find the numbers 1, 2 and 3? • Can I subitise groups of 1, 2 and 3? • Can I represent 1, 2 and 3 in different ways? • Can I find 1 more than 1, 2 or 3? • Can I find 1 less than 1, 2 or 3? • Can I explore how 1, 2 and 3 can be made in different ways? • Can I find the numbers 4 and 5? • Can I subitise groups of 4 and 5? • Can I represent 4 and 5 in different ways? • Can I find 1 more than 4 or 5? • Can I find 1 less than 4 or 5? • Can I explore how 4 and 5 can be made in different ways? • Can I explore different ways to make numbers from 1 to 5? **Patterns** • Can I spot simple patterns? • Can I copy and continue a simple pattern?		**Number Sense** • Can I recognise and talk about zero? • Can I find and identify numbers 0 to 5? • Can I subitise amounts from 0 to 5? • Can I represent numbers 0 to 5 in different ways? • Can I find 1 more than a number from 0 to 5? • Can I find 1 less than a number from 0 to 5? • Can I explore different ways to make numbers to 5? • Can I see smaller groups within numbers to 5 without counting each object? **Numbers to 10** • Can I find 6, 7 and 8? • Can I subitise 6, 7 and 8? • Can I represent 6, 7 and 8? • Can I find 1 more than a number to 8? • Can I find 1 less than a number to 8? • Can I explore the composition of 6, 7 and 8? • Can I find 9 and 10? • Can I subitise 9 and 10? • Can I represent 9 and 10? • Can I find 1 more than a number to 10? • Can I find 1 less than a number to 10? • Can I explore the composition of 9 and 10?	**Practical addition and subtraction** • Can I add more objects to a set? • Can I find out how many there are altogether? • Can I explain what happens when a quantity increases? • Can I represent addition using objects, pictures and marks? • Can I take objects away from a set? • Can I find out how many are left? • Can I explain what happens when a quantity decreases? • Can I represent subtraction using objects, pictures and marks?	**Number Sense to 20** • Can I build and represent numbers from 10 to 13? • Can I continue number patterns from 10 to 13? • Can I explain that teen numbers are made of 10 and some more? • Can I build and represent numbers from 14 to 20? • Can I continue number patterns from 14 to 20? • Can I count verbally beyond 20? • Can I recognise and continue counting patterns when counting aloud? **Halving and Doubling** • Can I share objects fairly between groups? • Can I recognise when groups are equal? • Can I make equal groups? • Can I identify when there are objects left over? • Can I explain whether a quantity can be shared equally? • Can I make doubles using practical resources?	**Measurement** • Can I compare objects by mass? • Can I use language such as heavier and lighter? • Can I compare containers by capacity? • Can I use language such as full, empty, more and less? • Can I explore and talk about length? • Can I compare objects by size and say which is bigger or smaller? • Can I compare the length of objects and say which is longer or shorter? • Can I explore and talk about height? • Can I compare the height of objects and say which is taller or shorter? **Shape** • Can I recognise and name common 3-D shapes? • Can I describe what I notice about 3-D shapes? • Can I find 2-D shapes within 3-D shapes?

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	• Can I create my own simple patterns? **Shape** • Can I identify and name circles and triangles? • Can I compare circles and triangles and talk about how they are the same or different? • Can I find circles and triangles in the environment? • Can I describe the position of objects using simple positional language? • Can I identify and name shapes with 4 sides? • Can I combine shapes with 4 sides to make new shapes and pictures? • Can I find shapes with 4 sides in the environment?	• Can I compare numbers to 10? • Can I order numbers to 10? • Can I explore number bonds to 10? • Can I explore different ways to make 10?	**Tally/ Data system** • Can I count and record quantities? • Can I use simple tally marks to keep track of counting? • Can I compare totals using tally marks? • Can I collect and organise simple data? • Can I answer questions about the data I have collected? **Time** • Can I talk about events that happen at different times? • Can I order and sequence events in time? • Can I talk about things that happen during the day and at night?	• Can I recognise double amounts? • Can I explain what double means? • Can I explore finding half of a quantity by sharing equally? • Can I compare doubles and halves? • Can I share odd and even numbers? • Can I play with and build doubles? **Money** • Can I recognise different coins? • Can I sort coins by appearance and value? • Can I use coins in role-play situations? • Can I exchange coins when paying for items? • Can I compare values of different coins?	• Can I use 3-D shapes to build and create structures? • Can I identify 3-D shapes in the world around me? • Can I identify more complex patterns? • Can I copy, continue and create patterns? • Can I spot and describe patterns in the environment? • Can I select shapes for a purpose? • Can I rotate shapes to fit a space or make a picture? • Can I manipulate shapes to create new arrangements? • Can I explain how shapes are arranged? • Can I compose shapes to make new shapes and pictures? • Can I decompose shapes into smaller shapes? • Can I copy pictures made from 2-D shapes? **Estimation** • Can I make sensible guesses about how many objects there are? • Can I estimate and then count to check? • Can I estimate which group has more or fewer objects?

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- Can I estimate which object is heavier or lighter?
- Can I estimate which container holds more or less?
- Can I explain how I made my estimate?

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<tr><td>Year 1</td><td>

Number and Place Value to 10

- Can I sort objects?
- Can I compare objects?
- Can I count objects from a larger group?
- Can I represent numbers?
- Can I represent numbers as words?
- Can I count on from any number?
- Can I count one more?
- Can I count backwards within 10?
- Can I find one less?
- Can I compare by matching?
- Can I understand fewer, more, same?
- Can I compare using less than and greater than and equal to?
- Can i compare numbers?
- Can I compare and order numbers?
- Can I use a number line?

Number and Place Value to 20

- Can I count within 20?
- Can I understand 10?
- Can I understand 11,12 and 13?
- Can I understand 14, 15 and 16?
- Can I understand 17, 18 and 19?
- Can I understand the value of 20?
- Can I find one more and one less within 20?
- Can I use a number line to estimate to 20?
- Can I compare numbers to 20?
- Can I order numbers to 20?

Measurement – length/ height

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Properties of Shape

- Can I recognise and name 3-D shapes?
- Can I sort 3-D shapes?
- Can I recognise and name 2-D shapes?
- Can I sort 2-D shapes?
- Can I make patterns with 2-D and 3-D shapes?

Addition and Subtraction

- Can I identify parts and whole?
- Can I use a part-whole model?
- Can I write number sentences?
- Can I show addition fact families?
- Can I find number bonds within 10?
- Can I find systematic number bonds within 10?
- Can I find number bonds to 10?
- Can I add numbers?
- Can I add one more?
- Can I find a part?
- Can I use subtraction to find a part?
- Can I create fact families?
- Can I take away?
- Can I subtract on a number line?
- Can I add or subtract 1 or 2?
- Can I add by counting on within 20?
- Can I add ones using number bonds?
- Can I find and make number bonds to 20?
- Can I use doubles?
- Can I use near doubles?
- Can I subtract ones using number bonds?
- Can I subtract by counting back?
- Can I subtract by finding the difference?
- Can I use related facts?
- Can I solve missing number problems?

Money

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Multiplication and Division

- Can I count in 2s?
- Can I count in 10s?
- Can I count in 5s?
- Can I recognise equal groups?
- Can I add equal groups?
- Can I make arrays?
- Can I make doubles?
- Can I make equal groups by grouping?
- Can I make equal groups by sharing?

Fractions

- Can I recognise a half of an object or a shape?
- Can I find a half of an object or a shape?
- Can I recognise a half of a quantity?
- Can I find a half of a quantity?
- Can I recognise a quarter of an object or a shape?
- Can I find a quarter of an object or a shape?
- Can I recognise a quarter of a quantity?
- Can I find a quarter of a quantity?

Geometry

- Can I describe turns?
- Can I describe position using left and right?
- Can I describe position using forwards and backwards?
- Can I describe position using above and below?
- Can I use ordinal numbers?

Time

- Can I use before and after?
- Can I name the days of the week?
- Can I name the months of the year?
- Can I use hours, minutes and seconds?
- Can I tell the time to the hour?
- Can I tell the time to the half hour?

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	• Can I compare length and height? • Can I measure length? (non-standard) • Can I measure length in centimetres?	• Can I use unitising? • Can I recognise coins? • Can I recognise notes? • Can I count in coins? Measurement - mass/capacity/volume • Can I compare objects that are heavier and lighter? • Can I measure mass? • Can I compare mass? • Can I identify full and empty containers? • Can I compare volume? • Can I measure capacity? • Can I compare capacity?	
Year 2	**Number and Place Value** • Can I use numbers to 20? • Can I count objects to 100 by making 10s? • Can I recognise tens and ones? • Can I use a place value chart to identify numbers to 100? • Can I partition numbers to 100? • Can I write numbers to 100 in words? • Can I flexibly partition numbers to 100? • Can I write numbers to 100 in expanded form? • Can I count in 10s on the number line to 100? • Can I count in 10s and 1s on the number line? • Can I estimate numbers on a number line? • Can I compare objects? • Can I compare numbers to 100? • Can I order objects and numbers? • Can I count in 2s, 5s and 10s? • Can I count in 3s? **Addition and Subtraction**	**Money** • Can I count money in pence? • Can I count money in pounds? • Can I count money in pounds and pence? • Can I choose notes and coins? • Can I compare amounts of money? • Can I calculate with money? • Can I find change? **Multiplication and Division** • Can I recognise equal groups? • Can I make equal groups? • Can I add equal groups? • Can I use the multiplication symbol? • Can I write multiplication sentences? • Can I use arrays? • Can I make equal groups by grouping? • Can I make equal groups by sharing? • Can I use the 2 times-table? • Can I divide by 2? • Can I use doubling and halving? • Can I identify odd and even numbers? • Can I use the 10 times-table? • Can I divide by 10? • Can I use the 5 times-table? • Can I divide by 5? • Can I use the 5 and 10 times-tables? **Statistics** • Can I draw pictograms? • Can I interpret pictograms?	**Time** • Can I tell the time o'clock and half past? • Can I tell the time quarter past and quarter to? • Can I tell the time past the hour? • Can I tell the time to the hour? • Can I tell the time to 5 minutes? • Can I explain how many minutes are in an hour? • Can I explain how many hours are in a day? **Fractions** • Can I identify parts and wholes? • Can I recognise equal and unequal parts? • Can I recognise a half? • Can I find a half? • Can I recognise a quarter? • Can I find a quarter? • Can I recognise a third? • Can I find a third? • Can I find the whole? • Can I recognise unit fractions? • Can I recognise non-unit fractions? • Can I recognise that 2 quarters are equivalent to 1 half? • Can I recognise three quarters? • Can I find three quarters? • Can I count in fractions up to a whole? **Geometry** • Can I recognise 2-D and 3-D shapes? • Can I count sides on 2-D shapes? • Can I count vertices on 2-D shapes?

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	• Can I recognise number bonds to 10? • Can I use addition and subtraction bonds to show fact families within 20? • Can I show related facts? • Can I recognise number bonds to 100 in tens? • Can I add and subtract ones? • Can I add by making 10? • Can I add three 1-digit numbers? • Can I add to the next 10? • Can I add across a 10? • Can I subtract across 10? • Can I subtract from a 10? • Can I subtract a 1-digit number from a 2-digit number? • Can I identify 10 more and 10 less? • Can I add and subtract 10s? • Can I add two 2-digit numbers? (not across 10) • Can I add 2-digit numbers across a 10? • Can I subtract two 2-digit numbers? (not across a 10) • Can I subtract two 2-digit numbers across a 10? • Can I solve mixed addition and subtraction problems? • Can I compare number sentences? • Can I solve missing number problems? Measurement • Can I measure in centimetres? • Can I measure in metres? • Can I compare lengths and heights? • Can I order lengths and heights? • Can I apply the four operations with lengths and heights?	• Can I draw pictograms using 2s, 5s and 10s? • Can I interpret pictograms in 2s, 5s and 10s?	• Can I draw 2-D shapes? • Can I identify lines of symmetry? • Can I use lines of symmetry? • Can I sort 2-D shapes? • Can I make patterns with 2-D and 3-D shapes? **Geometry -Position and Direction** • Can I use the language of position? • Can I describe movement? • Can I describe turns? • Can I describe movement and turns? • Can I make shape patterns with turns?

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	• Can I compare mass? • Can I measure in grams? • Can I measure in kilograms? • Can I apply the four operations with mass? • Can I compare volume and capacity? • Can I measure in millimetres? • Can I measure in litres? • Can I apply the four operations to volume and capacity? • Can I measure temperature? Statistics • Can I make tally charts? • Can I understand tables? • Can I make block diagrams?		
Year 3	**Number and Place Value** • Can I represent numbers to 100? • Can I partition numbers to 100? • Can I use a number line to 100? • Can I recognise the value of hundreds? • Can I represent numbers to 1000? • Can I partition number numbers to 1000? • Can I flexibly partition numbers to 1000? • Can I understand the value of hundreds, tens and ones? • Can I find 1, 1 or 100 more or less? • Can I use a number line to 1000? • Can I estimate on a number line to 1,000? • Can I compare numbers to 1,000? • Can I order numbers to 1,000? • Can I count in 50s? **Addition and Subtraction** • Can I apply number bonds within 10? • Can I add and subtract 1s?	**Multiplication and Division** • Can I use multiplication with equal groups? • Can I use arrays? • Can I find multiples of 2? • Can I find multiples of 5 and 10? • Can I use sharing and grouping? • Can I multiply by 3? • Can I divide by 3? • Can I use the 3 times-table? • Can I multiply by 4? • Can I divide by 4? • Can I use the 4 times-table? • Can I multiply by 8? • Can I divide by 8? • Can I use the 8 times-table? • Can I use the 2, 4 and 8 times-tables? • Can I find multiples of 10? • Can I use related calculations? • Can I reason about multiplication? • Can I multiply a 2-digit number by a 1-digit number without exchange? • Can I multiply a 2-digit number by a 1-digit number with exchange? • Can I link multiplication and division?	**Fractions** • Can I understand the denominators of unit fractions? • Can I compare and order unit fractions? • Can I understand the numerators of non-unit fractions? • Can I understand the whole? • Can I compare and order non-unit fractions? • Can I use fractions and scales? • Can I place fractions on a number line? • Can I count in fractions on a number line? • Can I recognise equivalent fractions on a number line? • Can I recognise equivalent fractions using bar models? • Can I add fractions? • Can I subtract fractions? • Can I partition the whole? • Can I find unit fractions of a set of objects? • Can I find non-unit fractions of a set of objects? • Can I reason with fractions of an amount? **Geometry** • Can I recognise turns and angles? • Can I recognise right angles? • Can I compare angles? • Can I measure and draw accurately? • Can I recognise horizontal and vertical lines? • Can I recognise parallel and perpendicular lines?

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	• Can I add and subtract 10s? • Can I add and subtract 100s? • Can I spot the pattern? • Can I add 1s across a 10? • Can I add 10s across a 100? • Can I subtract 1s across a 10? • Can I subtract 10s across a 100? • Can I make connections? • Can I add two numbers with no exchange? • Can I subtract two numbers with no exchange? • Can I add two numbers across a 10? • Can I add two numbers across a 100? • Can I subtract two numbers across a 10? • Can I subtract two numbers across a 100? • Can I add 2-digit and 3-digit numbers? • Can I subtract a 2-digit numbers from a 3-digit number? • Can I find complements to 100? • Can I estimate answers? • Can I use inverse operations? • Can I make decisions about which methods to use? **Measures** • Can I measure in metres and centimetres? • Can I measure in millimetres? • Can I measure in centimetres and millimetres? • Can I use metres, centimetres and millimetres? • Can I find equivalent lengths in metres and centimetres? • Can I find equivalent lengths in centimetres and millimetres?	• Can I divide a 2-digit number by a 1-digit number without exchange? • Can I divide a 2-digit number by a 1-digit number using flexible partitioning? • Can I divide a 2-digit number by a 1-digit number with remainders? • Can I use scaling? • Can I solve "How many ways?" problems? **Time** • Can I find multiples of 10? • Can I use related calculations? • Can I reason about multiplication? • Can I multiply a 2-digit number by a 1-digit number without exchange? • Can I multiply a 2-digit number by a 1-digit number with exchange? • Can I link multiplication and division? • Can I divide a 2-digit number by a 1-digit number without exchange? • Can I divide a 2-digit number by a 1-digit number using flexible partitioning? • Can I divide a 2-digit number by a 1-digit number with remainders? • Can I use scaling? • Can I solve "How many ways?" problems? **Money** • Can I use pounds and pence? • Can I convert pounds and pence? • Can I add money? • Can I subtract money? • Can I find change? **Statistics** • Can I interpret bar charts? • Can I draw bar charts? • Can I collect and represent data? • Can I use two-way tables?	• Can I recognise and describe 2-D shapes? • Can I draw polygons? • Can I recognise and describe 3-D shapes? • Can I make 3-D shapes?

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	• Can I compare lengths? • Can I add lengths? • Can I subtract lengths? • Can I explain what perimeter is? • Can I measure perimeter? • Can I calculate perimeter? • Can I use scales? • Can I measure mass in grams? • Can I measure mass in kilograms and grams? • Can I find equivalent masses in kilograms and grams? • Can I compare mass? • Can I add and subtract mass? • Can I measure capacity and volume in millilitres? • Can I measure capacity and volume in litres and millilitres? • Can I find equivalent capacities and volumes in litres and millilitres? • Can I compare capacity and volume? • Can I add and subtract capacity and volume? **Statistics** • Can I interpret pictograms? • Can I draw pictograms?		
Year 4	**Number and Place Value** • Can I represent numbers to 1,000? • Can I partition numbers to 1,000? • Can I use a number line to 1,000? • Can I use thousands? • Can I represent numbers to 10,000? • Can I partition numbers to 10,000? • Can I use flexible partitioning of numbers to 10,000? • Can I find 1, 10, 100 or 1,000 more or less? • Can I use a number line to 10,000?	**Multiplication and Division** • Can I identify multiples of 3? • Can I multiply and divide by 6? • Can I use the 6 times-table and division facts? • Can I multiply and divide by 9? • Can I use the 9 times-table and division facts? • Can I use the 3, 6 and 9 times-tables? • Can I multiply and divide by 7? • Can I use the 7 times-table and division facts? • Can I use the 11 times-table and division facts? • Can I use the 12 times-table and division facts? • Can I multiply by 1 and 0? • Can I divide a number by 1 and itself?	**Geometry** • Can I understand angles as turns? • Can I identify angles? • Can I compare and order angles? • Can I identify and classify triangles? • Can I identify and classify quadrilaterals? • Can I identify and classify polygons? • Can I identify lines of symmetry? • Can I complete a symmetric figure? • Can I describe position using coordinates? • Can I plot coordinates? • Can I draw 2-D shapes on a grid?

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- Can I estimate on a number line to 10,000?
- Can I compare numbers to 10,000?
- Can I order numbers to 10,000?
- Can I read and use Roman numerals?
- Can I round to the nearest 10?
- Can I round to the nearest 100?
- Can I round to the nearest 1,000?
- Can I round to the nearest 10, 100 or 1,000?

Addition and Subtraction

- Can I add and subtract 1s, 10s, 100s and 1,000s?
- Can I add 1s, 10s and 100s across a boundary?
- Can I subtract 1s, 10s and 100s across a boundary?
- Can I make connections?
- Can I add up to two 4-digit numbers with no exchange?
- Can I add up to two 4-digit numbers across a 10?
- Can I add up to two 4-digit numbers across a 100?
- Can I add up to two 4-digit numbers across a 1,000?
- Can I add numbers with a different number of digits?
- Can I subtract up to two 4-digit numbers with no exchange?
- Can I subtract up to two 4-digit numbers across a 10?
- Can I subtract up to two 4-digit numbers across a 100?
- Can I subtract up to two 4-digit numbers across a 1,000?
- Can I subtract numbers with a different number of digits?
- Can I find complements to 100 and 1,000?

- Can I multiply three numbers?

- Can I identify factor pairs?
- Can I use factor pairs?
- Can I multiply by 10?
- Can I multiply by 100?
- Can I divide by 10?
- Can I divide by 100?
- Can I use related facts for multiplication and division?
- Can I use informal written methods for multiplication?
- Can I multiply a 2-digit number by a 1-digit number?
- Can I multiply a 3-digit number by a 1-digit number?
- Can I divide a 2-digit number by a 1-digit number?
- Can I divide a 2-digit number by a 1-digit number using remainders?
- Can I divide a 3-digit number by a 1-digit number?
- Can I solve correspondence problems?
- Can I use efficient multiplication?

Fractions and decimals

- Can I understand the whole?
- Can I count beyond 1?
- Can I partition a mixed number?
- Can I use number lines with mixed numbers?
- Can I compare and order mixed numbers?
- Can I understand improper fractions?
- Can I convert mixed numbers to improper fractions?
- Can I convert improper fractions to mixed numbers?
- Can I identify equivalent fractions on a number line?
- Can I identify equivalent fraction families?
- Can I add two or more fractions?
- Can I add fractions and mixed numbers?
- Can I subtract two fractions?
- Can I subtract from whole amounts?

- Can I translate on a grid?
- Can I describe translation on a grid?

Time

- Can I use years, months, weeks and days?
- Can I use hours, minutes and seconds?
- Can I convert between analogue and digital times?
- Can I convert to the 24-hour clock?
- Can I convert from the 24-hour clock?

Measures (Length and Perimeter)

- Can I measure in kilometres and metres?
- Can I find equivalent lengths in kilometres and metres?
- Can I find the perimeter on a grid?
- Can I find the perimeter of a rectangle?
- Can I find the perimeter of rectilinear shapes?
- Can I find missing lengths in rectilinear shapes?
- Can I calculate the perimeter of rectilinear shapes?
- Can I find the perimeter of regular polygons?
- Can I find the perimeter of polygons?

Measures (Area)

- Can I understand area?
- Can I count squares to find area?
- Can I make shapes with a given area?
- Can I compare areas?
- Can I find the area of rectilinear shapes?

Measures (Money)

- Can I write money using decimals?
- Can I convert between pounds and pence?
- Can I compare amounts of money?
- Can I estimate with money?
- Can I calculate with money?
- Can I solve problems with money?

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	• Can I estimate answers? • Can I use inverse operations? • Can I use efficient methods? **Statistics** • Can I interpret charts? • Can I solve comparison, sum and difference problems? • Can I interpret line graphs? • Can I draw line graphs?	• Can I subtract from mixed numbers? • Can I recognise tenths as fractions? • Can I recognise tenths as decimals? • Can I use tenths on a place value chart? • Can I place tenths on a number line? • Can I divide a 1-digit number by 10? • Can I divide a 2-digit number by 10? • Can I recognise hundredths as fractions? • Can I recognise hundredths as decimals? • Can I use hundredths on a place value chart? • Can I divide a 1- or 2-digit number by 100? • Can I make a whole with tenths? • Can I make a whole with hundredths? • Can I partition decimals? • Can I flexibly partition decimals? • Can I compare decimals? • Can I order decimals? • Can I round decimals to the nearest whole number? • Can I recognise halves and quarters as decimals?	
Year 5	**Number and Place Value** • Can I read and write Roman numerals to 1,000? • Can I use numbers to 10,000? • Can I use numbers to 100,000? • Can I use numbers to 1,000,000? • Can I read and write numbers to 1,000,000? • Can I use powers of 10? • Can I find 10, 100, 1,000, 10,000 and 100,000 more or less? • Can I partition numbers to 1,000,000? • Can I use a number line to 1,000,000? • Can I order and compare numbers to 100,000? • Can I compare and order numbers to 1,000,000?	**Multiplication and Division** • Can I identify multiples? • Can I identify common multiples? • Can I identify factors? • Can I identify common factors? • Can I identify prime numbers? • Can I identify square numbers? • Can I identify cube numbers? • Can I multiply by 10, 100 and 1,000? • Can I divide by 10, 100 and 1,000? • Can I use multiples of 10, 100 and 1,000? • • Can I multiply up to a 4-digit number by a 1-digit number? • Can I multiply a 2-digit number by a 2-digit number using an area model? • Can I multiply a 2-digit number by a 2-digit number? • Can I multiply a 3-digit number by a 2-digit number?	**Fractions – Decimals and percentages** • Can I read, write and represent decimals up to 2 decimal places? • Can I find equivalent fractions and decimals (tenths)? • Can I find equivalent fractions and decimals (hundredths)? • Can I find equivalent fractions and decimals? • Can I recognise thousandths as fractions? • Can I recognise thousandths as decimals? • Can I use thousandths on a place value chart? • Can I order and compare decimals with the same number of decimal places? • Can I order and compare decimals with up to 3 decimal places? • Can I round decimals to the nearest whole number? • Can I round decimals to 1 decimal place? • Can I understand percentages? • Can I represent percentages as fractions? • Can I represent percentages as decimals?

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- Can I round to the nearest 10, 100 and 1,000?
- Can I round within 100,000?
- Can I round within 1,000,000?
- Can I understand negative numbers?
- Can I count through zero in 1s?
- Can I count through zero in multiples?
- Can I compare and order negative numbers?
- Can I find the difference?

Addition and Subtraction

- Can I use mental strategies?
- Can I add whole numbers with more than four digits?
- Can I subtract whole numbers with more than four digits?
- Can I round to check answers?
- Can I use inverse operations (addition and subtraction)?
- Can I solve multi-step addition and subtraction problems?
- Can I compare calculations?
- Can I find missing numbers?

Statistics

- Can I draw line graphs?
- Can I read and interpret line graphs?
- Can I read and interpret tables?
- Can I use two-way tables?
- Can I read and interpret timetables?

- Can I multiply a 4-digit number by a 2-digit number?
- Can I solve problems with multiplication?
- Can I use short division?
- Can I divide a 4-digit number by a 1-digit number?
- Can I divide with remainders?
- Can I use efficient division?
- Can I solve problems with multiplication and division?

Fractions

- Can I find fractions equivalent to a unit fraction?
- Can I find fractions equivalent to a non-unit fraction?
- Can I recognise equivalent fractions?
- Can I convert improper fractions to mixed numbers?
- Can I convert mixed numbers to improper fractions?
- Can I compare fractions less than 1?
- Can I order fractions less than 1?
- Can I compare and order fractions greater than 1?
- Can I add and subtract fractions with the same denominator?
- Can I add fractions within 1?
- Can I add fractions with a total greater than 1?
- Can I add to a mixed number?
- Can I add two mixed numbers?
- Can I subtract fractions?
- Can I subtract from a mixed number?
- Can I subtract from a mixed number by breaking the whole?
- Can I subtract two mixed numbers?
- Can I multiply a unit fraction by an integer?
- Can I multiply a non-unit fraction by an integer?
- Can I multiply a mixed number by an integer?
- Can I calculate a fraction of a quantity?
- Can I find a fraction of an amount?
- Can I find the whole?
- Can I use fractions as operators?

- Can I find equivalent fractions, decimals and percentages?
- Can I use known facts to add and subtract decimals within 1?
- Can I find complements to 1?
- Can I add and subtract decimals across 1?
- Can I add decimals with the same number of decimal places?
- Can I subtract decimals with the same number of decimal places?
- Can I add decimals with different numbers of decimal places?
- Can I subtract decimals with different numbers of decimal places?
- Can I use efficient strategies for adding and subtracting decimals?
- Can I identify and continue decimal sequences?
- Can I multiply by 10, 100 and 1,000?
- Can I divide by 10, 100 and 1,000?
- Can I multiply and divide decimals using missing values?

Geometry

- Can I understand and use degrees?
- Can I classify angles?
- Can I estimate angles?
- Can I measure angles up to 180°?
- Can I draw lines and angles accurately?
- Can I calculate angles around a point?
- Can I calculate angles on a straight line?
- Can I calculate lengths and angles in shapes?
- Can I identify regular and irregular polygons?
- Can I identify and describe 3-D shapes?
- Can I read and plot coordinates?
- Can I solve problems with coordinates?
- Can I translate shapes?
- Can I use translation with coordinates?
- Can I identify lines of symmetry?
- Can I reflect shapes in horizontal and vertical lines?

Measures

- Can I calculate the perimeter of rectangles?

Maths
Unit of Study Overview

			• Can I calculate the perimeter of rectilinear shapes? • Can I calculate the perimeter of polygons? • Can I calculate the area of rectangles? • Can I calculate the area of compound shapes? • Can I estimate area? **(Volume)** • Can I use cubic centimetres to measure volume? • Can I compare volume? • Can I estimate volume? • Can I estimate capacity? **(Converting Units)** • Can I convert between kilograms and kilometres and use them in real-life contexts? • Can I convert between millimetres and millilitres and use them in real-life contexts? • Can I convert units of length? • Can I convert between metric and imperial units? • Can I convert units of time? • Can I calculate and solve problems using timetables?
Year 6	**Number and Place Value** • Can I use numbers to 1,000,000? • Can I use numbers to 10,000,000? • Can I read and write numbers to 10,000,000? • Can I use powers of 10? • Can I use a number line to 10,000,000? • Can I compare and order any integers? • Can I round any integer? • Can I use negative numbers? **Four Operations** • Can I add and subtract integers? • Can I find common factors? • Can I find common multiples? • Can I identify prime numbers? • Can I identify square and cube numbers? • Can I multiply up to a 4-digit number by a 2-digit number? • Can I solve division calculations? • Can I use division using factors?	**Algebra** • Can I use 1-step function machines? • Can I use 2-step function machines? • Can I form algebraic expressions? • Can I use substitution to find values? • Can I use formulae? • Can I form equations? • Can I solve 1-step equations? • Can I solve 2-step equations? • Can I find pairs of values? • Can I solve problems with two unknowns? **Fractions** • **Measurement** •	**Statistics** • **Geometry** • **Ratio and Proportion** •

Maths
Unit of Study Overview

	• Can I use long division? • Can I use long division to solve problems? • Can I use long division with remainders? • Can I interpret remainders in long division? • Can I use the order of operations? • Can I use mental calculations and estimation? • Can I reason from known facts? **Statistics** • Can I use line graphs? • Can I use dual bar charts? • Can I read and interpret pie charts? • Can I use pie charts with percentages? • Can I draw pie charts? • Can I calculate the mean?		

Key (if required)		
Application units		