



Mathematics Objectives

Revised: September 2025

Maths EYFS	Number	Pattern	Shape	Spatial Thinking
	<p>I can quickly recognise up to 3 objects, without having to count them individually.</p> <p>I can recite numbers past 5.</p> <p>I can say one number for each item in order: 1,2,3,4,5</p> <p>I know that the last number reached when counting a small set of objects tells me how many there are in total.</p> <p>I can show 'finger numbers' up to 5.</p> <p>I can link numerals and amounts: for example, showing the right number of objects to match the numeral, up to 5</p> <p>I am experimenting with my own symbols and marks as well as numerals.</p> <p>I can solve real world mathematical problems with numbers up to 5.</p> <p>I can compare quantities using language such as: 'more than', 'fewer than'.</p>	<p>I can understand position through words alone, for example, "The bag is under the table," - with no pointing</p> <p>I can make comparisons between objects relating to size, length, weight and capacity</p> <p>I can talk about and identify the patterns around me. For example: stripes on clothes, designs on rugs and wallpaper. I can use informal language like 'pointy', 'spotty', 'blobs' etc</p> <p>I can extend and create ABAB patterns - stick, leaf, stick, leaf</p> <p>I can notice and correct an error in a repeating pattern.</p> <p>I am beginning to describe a sequence of events, real or fictional, using words such as 'first', 'then...'</p>	<p>I can talk about and explore 2D and 3D shapes (for example, circles, rectangles, triangles and cuboids) using informal and mathematical language: 'sides', 'corners'; 'straight', 'flat', 'round'</p> <p>I can select shapes appropriately; flat surfaces for building, a triangular prism for a roof etc.</p> <p>I can combine shapes to make new ones; an arch, a bigger triangle etc.</p>	<p>I can describe a familiar route</p> <p>I can discuss routes and locations, using words like 'in front of' and 'behind'</p>



Mathematics Objectives

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Maths Band 1	Number and Place Value	Addition & Subtraction	Multiplication & Division	Fractions	Measurement	Properties of Shapes	Position and Direction
	<ul style="list-style-type: none"> I can count to and across 100, forwards and backwards, starting from any number. I can count and read numbers to 100 in numerals. I can count and write numbers to 100 in numerals. I can count in jumps of 2, 5 and 10s. I can identify 1 more and 1 less than a starting number. I can find and show numbers using objects and pictures including number lines and use: equal to, more than, less than (fewer), most and least. I can read and write numbers from 1 to 20 in numerals. I can read and write numbers from 1 to 20 in words. I can count in 2, 5 and 10s to solve problems. I can partition and combine numbers using apparatus if needed. 	<ul style="list-style-type: none"> I can read and understand number statements using +, - and =. I can write number statements using +, - and =. I can change calculations to give the same answers e.g $3+2=5$, then $5-2=3$. I can show that addition is the opposite of subtraction, for example if $3+2=5$, then $5-2=3$ I can remember most of the number bonds for 10 and link the connected facts. I can use number bonds up to 20. I can use subtraction facts up to 20. I can add one digit and two digit numbers to 20. I can subtract one digit and two digit numbers to 20. I can answer problems that use addition and subtraction, including missing number problems, using objects and pictures. 	<ul style="list-style-type: none"> I can answer multiplication questions using objects, pictures and other equipment. I can answer division questions using objects, pictures and other equipment. 	<ul style="list-style-type: none"> I can find and name $\frac{1}{2}$ (half) of an object, shape or amount. I can find and name $\frac{1}{4}$ (quarter) as one of four equal parts of an object, shape or amount. 	<ul style="list-style-type: none"> I can solve problems for length and height by telling which objects are longer or shorter / taller or shorter. I can solve problems for mass and weights by telling which objects are heavier or lighter. I can solve problems for capacity and volume by telling if a container is empty, half full or full and if there is more in one container than another. I can solve problems for time. I can tell if something is quicker or slower. I can tell if something happened earlier or later. I can measure weight or mass and write these measurements down. I can measure capacity or volume and write these measurements down. I can measure time in hours, seconds or minutes and write these measurements down. I can tell how much different coins or notes are worth. I can tell when things happened by using these words: before, after, next, first, today, yesterday, tomorrow, morning, afternoon, evening. I can talk about dates using days of the week, weeks, months and years. I can tell what the time is in hours and half past the hour. I can draw these on a clockface. I can measure and begin to record length/height. 	<ul style="list-style-type: none"> I can recognise and name common 2D shapes such as rectangles, squares, circles and triangles. I can recognise and name common 3D shapes such as cuboids, cubes, pyramids and spheres. 	<ul style="list-style-type: none"> I can talk about whole, half, quarter and three quarter turns. I can then use this to explain movement, direction and position.



Mathematics Objectives

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Maths Band 2

	Number and Place Value	Addition & Subtraction	Multiplication & Division	Fractions	Measurement	Properties of Shapes	Position and Direction	Statistics
	<ul style="list-style-type: none"> I can count forwards and backwards in steps of 2, 3, and 5 from 0, and in 10s from any number. I can find the place value of each digit of a number with tens and ones. I can find and show numbers using different equipment such as number lines and number squares. I can compare and order numbers from 0 to 100; use <, > and = signs I can read and write numbers to at least 100 in numerals I can read and write numbers to at least 100 in words I can use place value and number facts to answer questions. <u>I can partition two digit numbers into different combinations of tens and ones using apparatus.</u> I can use reasoning within addition. I can recall multiples of 10 below and above any 2 digit number. 	<ul style="list-style-type: none"> I can solve problems with addition and subtraction including those involving numbers, quantities and measures by using objects and pictures. I can answer simple addition and subtraction questions in my head as well as by writing them down. <u>I can recall number bonds to 10, use these to work out number bonds to 20, and link other related facts.</u> I can use addition and subtraction facts to 20 quickly and workout similar facts to 100. <u>I can add and subtract a two digit number and a one digit number mentally and when using objects, number lines and pictures.</u> <u>I can add and subtract a two digit number and tens mentally and when using objects, number lines and pictures.</u> <u>I can add and subtract 2 two digit numbers mentally and when using objects number lines and pictures.</u> I can add 3 one digit numbers mentally and when using objects, number lines and pictures. I can show that adding 2 numbers can be done in any order but subtraction can not. I can show that subtraction is the opposite of addition and use this to check my work. I can remember doubles and halves up to 20. I can use estimation to check my answers to a calculation that makes sense. I can solve missing number problems using addition and subtraction. 	<ul style="list-style-type: none"> <u>I can remember and use multiplication and division facts for the 2, 5 and 10 times table</u> and recognise odd and even numbers. <u>I can answer multiplication and division problems within the times tables using x, ÷ and =.</u> <u>I can show that multiplication of 2 numbers can be done in any order and division cannot.</u> I can solve problems involving multiplication and division mentally and with objects. I can answer questions involving multiplication and division using arrays and repeated addition. I can use multiplication facts for 2, 5 and 10 to make deductions outside known multiplication facts. I solve multiplication and division problems with more than one step. I can rewrite addition statements as simplified multiplication statements. 	<ul style="list-style-type: none"> <u>I can find, name and write fractions of a length, shape, set of objects or amount including 1/3, 1/4, 2/4 and 3/4.</u> I can write simple fractions, for example $1/2$ of $6 = 3$ and $2/4 = 1/2$. 	<ul style="list-style-type: none"> I can choose the right units to measure length, height, mass, temperature or capacity. I can read to the nearest unit and do this on rulers and scales. I can compare amounts using >, < and = I can use the £ sign and p sign. I can use notes and coins to make a particular amount. <u>I can find different ways for coins to add up to an amount.</u> I can subtract money and give change. I can put different events in order and compare them. I can tell the time to 5 minutes. <u>I can tell when it is quarter past or quarter to an hour. I can draw these on a clock.</u> I can tell you how many minutes are in an hour and how hours are in a day. <u>I can read scales in divisions of ones, twos, fives and tens.</u> I can read scales where not all the numbers on the scale are given and work out points between I can read time on a clock to the nearest quarter of an hour. 	<ul style="list-style-type: none"> <u>I can notice and explain the properties of a 2D shape e.g number of sides and line of symmetry.</u> <u>I can notice and explain the properties of a 3D shape e.g number of edges, vertices and faces.</u> I can name some 2D and 3D shapes in pictures or in a group and know some of their properties I can spot 2D shapes on the surface of 3D shapes such as a circle on a cylinder. I can compare and sort 2D and 3D shapes and everyday objects. 	<ul style="list-style-type: none"> I can order mathematical objects in patterns and sequences. I can use mathematical vocabulary to describe position, direction and movement. This could include movement in a straight line. 	<ul style="list-style-type: none"> I can read and draw simple pictograms, tally charts, block diagrams and simple tables. I can ask and answer simple questions by counting the number of objects in each category and sorting categories by quantity. I can ask and answer questions about totalling and comparing grouped data.



Mathematics Objectives

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Maths Band 3

	Number & Place Value	Addition & Subtraction	Multiplication & Division	Fractions	Measurement	Properties of Shape	Statistics
	<ul style="list-style-type: none"> I can count from 0 in multiples of 4, 8, 50 and 100 and can find 10 or 100 more or less than a given number I can recognise the place value of each digit in a 3-digit number (100s, 10s, 1s) I can compare and order numbers up to 1,000 I can find, show and estimate numbers using objects and pictures. I can read and write numbers up to 1000 in numerals. I can read and write numbers to 1000 in words. I can solve number and word problems. I can identify, represent and estimate numbers using different representations 	<ul style="list-style-type: none"> I can add and subtract numbers in my head including a three digit number and ones. I can add numbers with up to three digits using formal column methods. I can add and subtract numbers in my head including a three digit number and tens. I can subtract numbers with up to three digits using formal column methods. I can add and subtract numbers in my head including a three digit number and hundreds. I can estimate the answer to a calculation and use this and inverse operations to check answers. I can solve problems, including missing number problems, using number facts, place value and more complex addition and subtraction. 	<ul style="list-style-type: none"> I can recall and use multiplication and division facts for the 3, 4 and 8 multiplication tables. I can calculate multiplication and division problems, both mentally, in writing, using times tables, including two digit numbers times one digit numbers. I can solve problems including missing number problems, involving multiplication and division, including factors and ratio. 	<ul style="list-style-type: none"> I can count up and down in tenths; recognise that tenths arise from dividing an object into 10 equal parts and in dividing one-digit numbers or quantities by 10 I can write and find fractions of a set of data and recognise fractions with small denominators. I can find and use fractions of numbers such as $\frac{1}{4}$ of 8 = 2 and $\frac{3}{4}$ of 8 = 6. I can identify and show equivalent fractions. I can add fractions with the same denominator within one whole. I can subtract fractions with the same denominator within one whole. I can compare and order fractions with the same denominator. I can solve fraction problems. 	<ul style="list-style-type: none"> I can measure, compare, add and subtract lengths (m, cm and mm); mass (kg and g); volume and capacity (l and ml). I can measure the perimeter of simple 2D shapes. I can add and subtract change, using pounds and pence. I can do this with pound coins and notes. I can tell the time on a clock face. I can do this if it uses the Roman numerals from I to XII and I can use the 12-hour or 24-hour clocks. I can tell and write the time from an analogue clock, including using Roman numerals from I to XII, and 12-hour and 24-hour clocks I can estimate and read time to the nearest minute. I can record time in seconds, minutes and hours. I can use words such as o'clock, am/pm, morning, afternoon, noon and midnight I can tell you the number of seconds in a minute and the number of days in each month, year and leap year I can compare how much time is taken by different events or tasks. 	<ul style="list-style-type: none"> I can draw 2D shapes and make 3D shapes using modelling materials. I can recognise 3D shapes in different orientations. I can recognise angles as a property of shape. I know that angles are a description of a turn. I can spot right angles. I can spot when angles are greater or less than a right angle. I know that 2 right angles make a half-turn, three make three quarters of a turn and four make a full turn. I can spot horizontal and vertical lines and pairs of perpendicular and parallel lines. 	<ul style="list-style-type: none"> I can interpret and present data using bar charts, pictograms and tables I can solve one-step and two-step questions e.g "How many more?" and "How many fewer?" using information presented in scaled bar charts, pictograms and tables.



Mathematics Objectives

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Maths Band 4

	Number & Place Value	Addition & Subtraction	Multiplication & Division	Fractions(inc decimals)	Measurement	Properties of Shape	Position and Direction	Statistics
	<ul style="list-style-type: none"> I can count in multiples of 6, 7, 9, 25 and 1,000 I can find 1,000 more or less than a given number I can count backwards through 0 to include negative numbers I can recognise the place value of each digit in a four-digit number (1,000s, 100s, 10s and 1s) I can order and compare numbers beyond 1,000 I can identify, represent and estimate numbers using different representations (including measures). I can round any number to the nearest 10, 100 or 1,000 I can solve number and practical problems that involve large positive numbers I can read Roman numerals to 100 (I to C) and know that over time, the numeral system changed to include the concept of 0 and place value. 	<ul style="list-style-type: none"> I can add numbers with up to four digits using formal column methods. I can estimate and use inverse operations to check answers to a calculation I can subtract numbers with up to four digits using formal column methods. I can solve two-step addition and subtraction problems using different methods and explain why I used them. 	<ul style="list-style-type: none"> I can recall multiplication and division facts for multiplication tables up to 12×12 I can use place value, known and number facts to multiply and divide mentally, including: multiplying by 0 and 1; dividing by 1; multiplying together 3 numbers I can use factor pairs in mental calculations I can multiply two-digit and three-digit numbers by a one-digit number using a formal written method. I can solve problems involving multiplying and adding, including the distributive law such as $3 \times (12+14) = 3 \times 12 + 3 \times 14$ 	<ul style="list-style-type: none"> I can recognise and show, using diagrams, families of common equivalent fractions I can count up and down in hundredths and know that dividing an object by 100 creates hundredths and by 10 creates tenths. I can solve problems involving fractions to calculate quantities and fractions to divide quantities. I can add and subtract fractions with the same denominator I can recognise and write decimal equivalents of any number of tenths or hundredths I can find and write decimal equivalents to $\frac{1}{4}$; $\frac{1}{2}$; $\frac{3}{4}$ I can divide one and two digit numbers by 10 and 100 and explain the effect this has on place value. I can round decimals using tenths to the nearest whole number I can compare numbers with the same number of decimal places up to two decimal places I can solve simple measure and money problems involving fractions and decimals to two decimal places. 	<ul style="list-style-type: none"> I can convert between different units of measure e.g km into m and hours into minutes. I can measure and calculate the perimeter of a rectilinear figure (including squares) in centimetres and metres I can find the area of rectilinear shapes by counting squares I can estimate, compare and calculate different measures, including money in pounds and pence I can read, write and convert time between analogue and digital 12 and 24-hour clocks I can solve problems involving converting from hours to minutes, minutes to seconds, years to months, weeks to days 	<ul style="list-style-type: none"> I can compare and classify geometric shapes, including quadrilaterals and triangles, based on their properties and sizes I can identify acute and obtuse angles and compare and order angles up to two right angles by size I can identify lines of symmetry in 2D shapes presented in different orientations I can complete a simple symmetric figure with respect to a specific line of symmetry. 	<ul style="list-style-type: none"> I can describe positions on a 2D grid as positive number coordinates I can describe movements between positions as translations of a given unit to the left/right and up/down I can plot points I am given and draw sides to complete a given polygon. 	<ul style="list-style-type: none"> I can interpret and present discrete and continuous data using appropriate graphical methods, including bar charts and time charts. I can solve comparison, sum and difference problems using information presented in bar charts, pictograms, tables and other graphs.



Mathematics Objectives

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Maths Band 5

Number & Place Value	Addition & Subtraction	Multiplication & Division	Fractions (decimals & percentages)	Measurement	Properties of Shape	Position Direction	Statistics
<ul style="list-style-type: none"> I can read, write, order and compare numbers to at least 1,000,000 and determine the value of each digit I can keep multiplying a number by 10 or 100 up to 1,000,000 and count back. I can use negative numbers in context when looking at temperature and money: counting forwards and backwards through 0. I can round numbers up to 1,000,000 to the nearest 10, 100, 1,000, 10,000 and 100,000 I can solve number and practical problems that involve ordering and comparing numbers to 1 000 000, counting forwards and backwards in steps, negative numbers and rounding I can read Roman numerals to 1,000 (M) and recognise years written in these. 	<ul style="list-style-type: none"> I can add and subtract numbers with more than 4 digits, using formal written methods. I can add and subtract 2 and 3 digit numbers in my head. I can use rounding to check answers to calculations and determine levels of accuracy I can solve addition and subtraction multi-step problems in contexts, deciding which operations and method is the most suitable. 	<ul style="list-style-type: none"> I can find multiples and factors of a number and can identify factors common to 2 different numbers. . I know and use the vocabulary of prime numbers, prime factors and composite numbers I can establish whether a number up to 100 is prime and recall prime numbers up to 19 I can multiply numbers up to 4 digits by a one- or two-digit number using a formal written method, I can mentally multiply and divide numbers using the times tables. I can divide numbers up to 4 digits by a one-digit number using the formal written method and can explain remainders. I can multiply and divide whole numbers and decimal numbers by 10, 100 and 1,000 I can identify and use square numbers and their notation. I can solve problems involving multiplication and division, including using their knowledge of factors and multiples, squares and cubes. I can identify and use cube numbers and their notation. I can solve problems involving addition, subtraction, multiplication and division and a combination of these, including understanding the meaning of the equals sign I can solve problems involving multiplication and division, including scaling by simple fractions and problems involving simple rates. 	<ul style="list-style-type: none"> I can compare and order fractions whose denominators are all multiples of the same number I can find and, name equivalent fractions of a given fraction including tenths and hundredths I can write equivalent fractions of a given fraction including tenths and hundredths. I can identify mixed numbers and improper fractions and convert from one form to the other such as $2/5 + 4/5 = 6/5 = 1\frac{1}{5}$ I can add and subtract fractions whose denominators are all multiples of the same number. I can multiply fractions by whole numbers using objects and pictures. I can read and write decimal numbers as fractions such as $0.71 = 71/100$ I can identify and use thousandths and can explain how they relate to tenths and hundredths and their decimal equivalents. I can round decimals with two decimal places to the nearest whole number and to one decimal place. I can read, write, order and compare numbers with up to three decimal places. I can solve problems involving numbers up to three decimal places. I can recognise the percent symbol (%) and understand that per cent relates to "number of parts per 100", and write percentages as a fraction with denominator 100, and as a decimal fraction I can solve problems which require knowing percentage and decimal equivalents of $1/2$, $1/4$, $1/5$, $2/5$, $4/5$ and fractions with a denominator of a multiple of 10 or 25. 	<ul style="list-style-type: none"> I can convert between different units of metric measure e.g km and m; cm and m; g and kg; l and ml. I can understand and compare equivalences between metric units and common imperial units. These might include inches, pounds or pints. I can measure and calculate the perimeter of composite rectilinear shapes in centimetres and metres I can calculate and compare the area of rectangles (including squares) including using standard units, square centimetres (cm²) and square metres (m²) and estimate the area of irregular shapes I can estimate volume by using 1cm³ blocks to build cuboids (including cubes) and capacity by using water and different containers. I can solve problems involving converting between units of time I can use all four operations to solve problems involving measure e.g length, mass, volume, money using decimal notation including scaling. 	<ul style="list-style-type: none"> I can identify 3D shapes, including cubes and other cuboids, from 2D representations I can estimate and compare acute, obtuse and reflex angles. I know that angles are measured in degrees. I can draw given angles, and measure them in degrees (°) I can identify: <ul style="list-style-type: none"> * angles at a point and 1 whole turn (total 360°) * angles at a point on a straight line and half a turn (total 180°) * other multiples of 90° I can use the properties of rectangles to find related facts and find missing lengths and angles I can tell the difference between regular and irregular polygons. I can do this using reasoning about equal sides and angles. 	<ul style="list-style-type: none"> I can identify, describe and represent the position of a shape following a reflection or translation. I can use the appropriate mathematical language to explain this and I know that the shape has not changed. 	<ul style="list-style-type: none"> I can solve comparison, sum and difference problems using information presented in a line graph I can complete, read and interpret information in tables, including timetables.



Mathematics Objectives

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Maths Band 6

Number & Place Value	Addition, Subtraction, Multiplication & Division	Fractions (decimals & percentages)	Ratio & Proportion	Algebra	Measurement	Properties of Shape	Position Direction	Statistics
<ul style="list-style-type: none"> I can read, write, order and compare numbers up to 10 000 000 (ten million) and say the value of each digit I can round any whole number to a required degree of accuracy I can use negative numbers in context when looking at temperature or money, counting in jumps forwards and backwards through 0. I can solve number and practical problems that involve ordering and comparing numbers to 10 000 000, rounding to a required degree of accuracy, using negative numbers and counting intervals across zero. I can show understanding of place value including decimals. 	<ul style="list-style-type: none"> I can mentally calculate using a mix of the four operations. I can solve problems with more than one step and operation and explain why I used them. I can solve addition and subtraction word/ practical problems. I can use estimation to check answers to calculations and determine an appropriate degree of accuracy. I can multiply numbers of up to 4 digits by a two digit number using a formal written method. I can divide numbers of up to 4 digits by a two digit number using a formal written method of long division, showing remainders, fractions or rounding as appropriate. I can divide numbers of up to 4 digits by a two digit number using a formal written method of short division, showing remainders, fractions or rounding as appropriate. I can mentally calculate using a mix of the four operations and increasingly large numbers. I can identify common factors, multiples and prime numbers. I can use the order of importance of the four operations when answering questions. I can solve addition and subtraction multi-step problems, deciding which operations and methods to use and explain why they are suitable. I can solve problems involving addition, subtraction, multiplication and division. I can use estimating to check answers and problem solving. 	<ul style="list-style-type: none"> I can use common factors and multiples to simplify fractions and express fractions in the same denomination . I can compare and order fractions, including fractions >1 I can add and subtract fractions with different denominators and mixed numbers, using the concept of equivalent fractions I can multiply simple pairs of proper fractions, writing the answer in its simplest form such as $\frac{1}{4} \times \frac{1}{2} = \frac{1}{8}$ I can divide proper fractions by whole numbers such as $\frac{1}{3} \div 2 = \frac{1}{6}$ I can link a fraction with division and work out decimal fractions such as knowing that 7 is divided by 21 is the same as $\frac{7}{21}$ and this is equal to $\frac{1}{3}$, and 0.378 is $\frac{3}{8}$ as a simple fraction. I can explain the place value of any digit in a number with decimal places and multiply or divide these by 10,100 or 1000 I can multiply one-digit numbers with up to 2 decimal places by whole numbers I can use written division methods in cases where the answer has up to 2 decimal places I can solve problems which require answers to be rounded to specified degrees of accuracy I can recall and use equivalences between simple fractions, decimals and percentages, including in different contexts. 	<ul style="list-style-type: none"> I can solve problems involving the relative sizes of two quantities where missing values can be found by using integer multiplication and division facts I can solve problems involving the calculation of percentages and the use of percentages for comparison I can solve problems involving similar shapes where the scale factor is known or can be found I can solve problems involving unequal sharing and grouping using knowledge of fractions and multiples. 	<ul style="list-style-type: none"> I can use simple formulae I can generate and describe linear number sequences I can express missing number problems algebraically I can find pairs of numbers that satisfy an equation with two unknowns I can enumerate possibilities of combinations of 2 variables. 	<ul style="list-style-type: none"> I can solve problems involving the calculation and conversion of units of measure, using decimal notation up to 2 decimal places where appropriate I can use, read, write and convert between standard units, converting measurements of length, mass, volume and time from a smaller unit of measure to a larger unit, and vice versa, using decimal notation to up to 3 decimal places I can convert between miles and kilometres I can recognise that shapes with the same areas can have different perimeters and vice versa I can recognise when it is possible to use formulae for area and volume of shapes I can calculate the area of parallelograms and triangles I can calculate, estimate and compare the volume of cubes and cuboids using standard units, including cubic centimetres (cm³) and cubic metres (m³), and extending to other units. 	<ul style="list-style-type: none"> I can draw 2D shapes using given dimensions and angles I can recognise, describe and build simple 3D shapes, including making nets I can compare and classify geometric shapes based on their properties and sizes and find unknown angles in any triangles, quadrilaterals, and regular polygons I can illustrate and name parts of circles, including radius, diameter and circumference and know that the diameter is twice the radius I can recognise angles where they meet at a point, are on a straight line, or are vertically opposite, and find missing angles. 	<ul style="list-style-type: none"> I can describe positions on the full coordinate grid (all 4 quadrants) I can draw and translate simple shapes on the coordinate plane, and reflect them in the axes. 	<ul style="list-style-type: none"> I can interpret and construct pie charts and line graphs and use these to solve problems I can calculate and interpret the mean as an average.