

Caring, curious, courageous

	Objective	Child speak objective
Zu	Count to and across 100, forwards and backwards, beginning with 0 or 1, or from any given number.	I can count up and down from 0 to 100 and more
Number . Va	Count, read and write numbers to 100 in numerals.	I can count, read and write numbers up to 100.
er and Plac Value	Count in multiples of twos, fives and tens.	I can count in 2 or 5 or 10.
ace	Given a number, identify one more and one less.	When you show me a number, I can tell you what is one more and one less.
A Sul	Read, write and interpret mathematical statements involving addition (+), subtraction (-) and equals (=) signs.	l know and can use the maths symbols + - and = in a number sentence
Addition Subtraction	Represent and use number bonds and related subtraction facts within 20.	I know my number bond facts to 20 - such as 1+5 = 6 and 5 = 6 - 1.
on n	Add and subtract one-digit and two-digit numbers to 20, including zero.	I add and subtract numbers up to 20 - such as 5+5 or 12- 8.
Multiplication Division	Solve one-step problems involving multiplication and division, by calculating the answer using concrete objects, pictorial representations and arrays with the support of the teacher	<i>I answer maths multiplication or division problems with help from an adult and using objects to see what the problem means.</i>
Fract	Recognise, find and name a half as one of two equal parts of an object, shape or quantity.	I know that a half is one of two equal parts, and I find half of a shape or a set of objects by sharing the shape or set into two equal parts.
Fractions	Recognise, find and name a quarter as one of four equal parts of an object, shape or quantity.	I find a quarter of a shape or a set of objects by sharing the shape or set into four equal parts.

Measurement	Compare, describe and solve practical problems for lengths and heights [for example, long or short, longer or shorter, tall or short, double or half].	I use words such as long or short, longer or shorter, tall or short, double or half to describe my maths work when I am measuring.
	Compare, describe and solve practical problems for mass or weight [for example, heavy or light, heavier than, lighter than].	When weighing, I use the words heavy or light, heavier than, lighter than to explain my work.
	Compare, describe and solve practical problems for capacity and volume [for example, full or empty, more than, less than, half, half full, quarter].	When working with capacity, I use the words full or empty, more than, less than, half, half full and quarter to explain my work.
	Compare, describe and solve practical problems for time [for example, quicker, slower, earlier, later].	<i>I can answer questions about time, such as Who is quicker? or What is earlier?</i>
	Recognise and know the value of different denominations of coins and notes.	I know that coins have different values and have ordered and compared them.
	Tell the time to the hour and half past the hour and draw the hands on a clock face to show these times.	I can tell the time and draw hands on a clock for to the hour and half past the hour times.
Shape	Recognise and name common 2-D and 3-D shapes, including 2-D shapes [for example, rectangles (including squares), circles and triangles].	I can name common 2-D shapes such as rectangles, squares, circles and triangles.
	Recognise and name common 2-D and 3-D shapes, including 3-D shapes [for example, cuboids (including cubes), pyramids and spheres].	I can name some 3-D shapes such as cuboids and cubes, pyramids and spheres.
Position	Describe position, direction and movement, including whole, half, quarter and three-quarter turns.	I can describe my position, direction and movement, including whole turns, half turns, quarter turns and three-quarter turns.

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۲.	Count in steps of 2, 3, and 5 from 0, and in tens from any number, forward and backward.	I can count forward and backward in steps of 2, 3, and 5 from 0, and make jumps in tens from any number.
Number :	Recognise the place value of each digit in a two-digit number (tens, ones).	I know what each digit means in two-digit numbers such as 24.
and Pla	Compare and order numbers from 0 up to 100.	I can order numbers up to 100 and tell you which numbers are bigger or smaller.
Place Value	Use greater than, less than and = signs	l use the greater than, less than and equals signs in maths and know what they mean.
lue	Use place value and number facts to solve problems.	I solve problems using number facts such as 18+2=20 and what I know about the value of digits in a number.
Additi	Solve problems with addition and subtraction applying their increasing knowledge of mental and written methods.	I can solve addition and subtraction problems and work out how I answer it on paper or show you how I did it in my head by explaining step by step.
Addition Subtraction	Solve problems with addition and subtraction recall and use addition and subtraction facts to 20 fluently, and derive and use related facts up to 100.	l answer problems with addition and subtraction using my number facts to 20 and other number facts up to 100.
action	Recognise and use the inverse relationship between addition and subtraction and use this to check calculations and solve missing number problems.	l can check my answers or solve missing number problems by doing an inverse check.
Multip Divi	Recall and use multiplication and division facts for the 2, 5 and 10 multiplication tables, including recognising odd and even numbers.	l know my 2 and 5 and 10 times tables by heart and can tell whether a number is odd or even.
Multiplication Division	Solve problems involving multiplication and division, using materials, arrays, repeated addition, mental methods, and multiplication and division facts, including problems in contexts.	<i>I can solve multiplication and division problems using times table facts and objects or pictures to help me.</i>
Fractions	Recognise, find, name and write fractions 1/3, 1/4, 2/4 and 3/4 of a length, shape, set of objects or quantity.	I can find 1/3 or 1/4 or 2/4 or 3/4 of a shape, length or set of objects.

Measu	Solve simple problems in a practical context involving addition and subtraction of money of the same unit, including giving change.	I have solved money problems such as how much change do I get from 50p if I buy an apple for 35p?
rement	Tell and write the time to five minutes, including quarter past/to the hour and draw the hands on a clock face to show these times.	I can tell and write the time to five minutes, including quarter past/to the hour and draw the hands on a clock face to show these times.
Shape	Compare and sort common 2-D and 3-D shapes and everyday objects.	I can compare 2-D and 3-D shapes with everyday objects around me.
Position	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 quarter, half and three-quarter turns (clockwise and anti-clockwise).	I can describe my position, direction and movement, including describing turns as quarter, half and three- quarter turns in clockwise and anti-clockwise directions.
Statistics	Ask and answer questions about totalling and comparing categorical data	I work on sorting objects and can answer questions about the groups of objects I have sorted

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Numt	Find 10 or 100 more or less than a given number.	I can find 10 or 100 more or less than a given number.
Number and Value	Recognise the place value of each digit in a three-digit number (hundreds, tens, ones).	I know what each digit means in three-digit numbers such as 204.
Place	Solve number problems and practical problems involving working with and estimating numbers up to 1000 in a variety of units.	I can solve number problems, working with numbers up to 1000 and in different units of measurement.
_	Add and subtract numbers mentally, including three-digit number and ones.	I can add and subtract numbers in my head, including questions such as 432 - 7.
Addition Subtraction	Add and subtract numbers mentally, including three-digit number and tens.	I can add and subtract numbers in my head, including questions such as 432 - 70.
ition action	Add and subtract numbers mentally, including three-digit number and hundreds.	I can add and subtract numbers in my head, including questions such as 432 - 300.
	Add and subtract numbers with up to three digits, using formal written methods of columnar addition and subtraction.	l can use written methods to add or subtract two three- digit numbers.
Multiplication Division	Recall and use multiplication and division facts for the 3, 4 and 8 multiplication tables	I know my 3, 4 and 8 times tables.
ltiplication Division	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.	<i>I can answer multiplication and division questions such as 16 x 5 or 45 divided by 9.</i>
	Count up and down in tenths.	I can count up and down in tenths.
Frac	Recognise that tenths arise from dividing an object into 10 equal parts and in dividing one-digit numbers or quantities by 10.	I know that tenths can be found by dividing an object or shape into ten equal parts or by dividing numbers by 10.
Fractions	Recognise, find and write fractions of a discrete set of objects: unit fractions and non-unit fractions with small denominators.	I can find a fraction (such as 2/5 or 3/4) of a set of objects.
	Recognise and show, using diagrams, equivalent fractions with small denominators.	I can show that some fractions have the same value - such as 1/2, 3/6 and 5/10 or 1/3 and 3/9.

Ξ	Measure, compare, add and subtract: lengths (m, cm, mm); mass (kg, g); volume, capacity (l, ml).	I can measure and compare in these units: lengths (m, cm, mm), weight (kg, g) and capacity (I, mI).
Measureme	Add and subtract amounts of money to give change, using both ${f f}$ and p in practical contexts	I can work on money problems, adding and subtracting amounts of money and working out how much change is left. I use both £ and p in my problems.
ent	Estimate and read time with increasing accuracy to the nearest minute.	I can tell the time accurately to the nearest minute.
Shap	Recognise angles as a property of shape or a description of a turn	I know an angle is used to measure how far something turns. An angle is also the point in a 2-D shape. I can recognise a right angle
ape	Identify whether angles are greater than or less than a right angle	I can tell whether an angle is greater than or less than a right angle.
Statistics	Interpret and present data using bar charts, pictograms and tables.	I can answer questions about bar charts, pictograms and tables and make my own bar charts, pictograms and tables.

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Number and Value	Count in multiples of 6, 7, 9, 25 and 1000.	I can count in multiples of 6, 7, 9, 25 and 1000.
	Count backwards through zero to include negative numbers.	I can count backwards to negative numbers below zero.
er and Place Value	Recognise the place value of each digit in a four-digit number (thousands, hundreds, tens, and ones).	I know what each digit means in four-digit numbers such as 2024.
асе	Round any number to the nearest 10, 100 or 1000.	I can round a number to the nearest 10, 100 or 1000.
Addition Subtraction	Estimate and use inverse operations to check answers to a calculation.	I can estimate an answer and check my answer using inverse operations.
ition action	Solve addition and subtraction two-step problems in contexts, deciding which operations and methods to use and why.	I can solve longer addition and subtraction problems and explain all the steps I took and why I worked things out as I did.
Multip	Recall multiplication and division facts for multiplication tables up to 12 × 12.	I know all my times table up to the 12 times tables.
Multiplication E	Recognise and use factor pairs and commutativity in mental calculations.	I know what factor pairs are how I can multiply numbers in any order and use my knowledge to work out questions in my head.
Division	Multiply two-digit and three-digit numbers by a one-digit number using formal written layout.	I can multiply a two-digit or a three-digit number by a one-digit number using written methods.
	Recognise and show, using diagrams, families of common equivalent fractions.	I can show in drawings why a number of fractions equal each other (such as 3/5 and 6/10) and are called equivalent fractions.
Fractions	Count up and down in hundredths; recognise that hundredths arise when dividing an object by one hundred and dividing tenths by ten.	I can count up and down in hundredths and know that a hundredth is made by dividing an object by one hundred and a tenth is made by dividing an object by ten.
	Round decimals with one decimal place to the nearest whole number.	I can round decimals with one decimal place to the nearest whole number.

Measu	Convert between different units of measure [for example, kilometre to metre; hour to minute].	I can convert one unit of measurement to another, such as kilometre to metre, hour to minute and cm to mm.
rement	Read, write and convert time between analogue and digital 12- and 24-hour clocks.	I can read, write and convert time between clocks with hands (analogue clocks) and digital 12- and 24-hour clocks.
Sha	Compare and classify geometric shapes, including quadrilaterals and triangles, based on their properties and sizes.	I can group 2-D shapes based on their properties (such as the number of sides) and sizes.
ape	Identify lines of symmetry in 2-D shapes presented in different orientations.	I can find all the lines of symmetry in 2-D shapes.
Posi	Describe movements between positions as translations of a given unit to the left/right and up/down.	I can move (translate) a point on a grid by a given set of jumps either up/down or left/right.
tion	Plot specified points and draw sides to complete a given polygon.	I can plot points using coordinates and join up the points to create a shape.
Statistics	Solve comparison, sum and difference problems using information presented in bar charts, pictograms, tables and other graphs.	I can solve comparison, sum and difference problems using information in bar charts, pictograms, tables and other graphs.

	Objective	Child speak objective
Num	Read, write, order and compare numbers to at least 1 000 000 and determine the value of each digit.	I can read, write, order and compare numbers to at least 1 000 000 and know the value of each digit.
Number and Place Value	Interpret negative numbers in context, count forwards and backwards with positive and negative whole numbers, including through zero.	I can use negative numbers in my work and can count backwards and forwards to and from negative numbers.
place	Round any number up to 1 000 000 to the nearest 10, 100, 1000, 10 000 and 100 000.	I can round any number up to 1 000 000 to the nearest 10, 100, 1000, 10 000 and 100 000.
S	Add and subtract whole numbers with more than 4 digits, including using formal written methods (columnar addition and subtraction).	I can add and subtract whole numbers with more than 4 digits using written methods such as column addition and subtraction.
Addition Subtraction	Add and subtract numbers mentally with increasingly large numbers.	I can add and subtract larger numbers in my head.
Š	Solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why.	I can solve addition and subtraction multi-step problems, deciding which operations and methods to use and why.
	Identify multiples and factors, including finding all factor pairs of a number, and common factors of two numbers.	I can identify multiples and factors, including finding all factor pairs of a number, and common factors of two numbers.
Z	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.	I can multiply 4 digit numbers by a one- or two-digit number using a written method, including long multiplication for two-digit numbers.
Multiplication Division	Multiply and divide numbers mentally drawing upon known facts.	I multiply and divide numbers mentally drawing upon my times table knowledge and other number facts.
	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.	I can divide 4 digit numbers by a one-digit number using the written method of short division and find the remainder.
	Solve problems involving multiplication and division including using their knowledge of factors and multiples, squares and cubes.	I can solve multiplication and division problems using my knowledge of factors and multiples, squares and cubes.

	Compare and order fractions whose denominators are all multiples of the same number.	I can compare and order fractions whose denominators are all multiples of the same number.
Fractions	Recognise mixed numbers and improper fractions and convert from one form to the other and write mathematical statements greater than 1 as a mixed number [for example, $2/5 + 4/5 = 6/5 = 1 1/5$].	I know what mixed numbers and improper fractions are and I can convert from one to the other [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.	I can add and subtract fractions with the same denominator and denominators that are multiples of the same number.
	Read and write decimal numbers as fractions [for example, 0.71 = 71/100].	l can read and write decimal numbers as fractions [for example, 0.71 = 71/100].
	Round decimals with two decimal places to the nearest whole number and to one decimal place.	I can round decimals with two decimal places to the nearest whole number and to one decimal place.
	Solve problems which require knowing percentage and decimal equivalents of 1/2, 1/4, 1/5, 2/5, 4/5 and those fractions with a denominator of a multiple of 10 or 25.	I work on problems which require knowing percentage and decimal equivalents of 1/2, 1/4, 1/5, 2/5, 4/5 and those fractions with a denominator of a multiple of 10 or 25.
	Convert between different units of metric measure (for example, kilometre and metre; centimetre and metre; centimetre; gram and kilogram; litre and millilitre).	I can convert between different units of metric measure (for example, kilometre and metre; centimetre and metre; centimetre and millimetre; gram and kilogram; litre and millilitre).
Mea	Measure and calculate the perimeter of composite rectilinear shapes in centimetres and metres.	I can calculate the perimeter of multi-shape shapes in centimetres and metres.
Measurement	Calculate and compare the area of rectangles (including squares), and including using standard units, square centimetres (cm2) and square metres (m2) and estimate the area of irregular shapes.	I can calculate the area of rectangles in square centimetres (cm2) and square metres (m2) and estimate the area of irregular shapes.
	Solve problems involving converting between units of time.	I can convert between the units of time.

	Identify 3-D shapes, including cubes and other cuboids, from 2-D representations.	I can Identify 3-D shapes, including cubes and other cuboids, from 2-D drawings.
Sha	Draw given angles, and measure them in degrees (°).	I can draw a given angle (such as 47°), and then measure them in degrees (°).
аре	Use the properties of rectangles to deduce related facts and find missing lengths and angles.	I can find the missing lengths and angles of a rectangle.
	Distinguish between regular and irregular polygons based on reasoning about equal sides and angles.	I know regular shapes have equal sides and angles and irregular shapes do not have equal sides and angles.
Position	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.	I can reflect or translate a shape on a grid.
Statistics	Complete, read and interpret information in tables, including timetables.	I can find the information I need from a timetable or large table of data.

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Number and Place Value	Read, write, order and compare numbers up to 10 000 000 and determine the value of each digit.	I can work with numbers up to 10 000 000 and know what each digit represents.
er and Value	Solve number and practical problems that involve large numbers, rounding and negative numbers.	I can solve number and practical problems that involve large numbers, rounding and negative numbers.
	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.	I can choose to divide 4 digit numbers by a two-digit number using the written method of short division if this is possible.
Z	Perform mental calculations, including with mixed operations and large numbers.	I can multiply, divide, add and subtract large numbers in my head.
Multiplication Division	Use their knowledge of the order of operations to carry out calculations involving the four operations.	I know that addition, subtraction, multiplication and division should be carried out in a specific order when looking at problems.
on	Solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why.	I can solve addition and subtraction multi-step problems, deciding where to add or subtract.
	Solve problems involving addition, subtraction, multiplication and division.	I can solve problems involving addition, subtraction, multiplication and division.
	Add and subtract fractions with different denominators and mixed numbers, using the concept of equivalent fractions.	I add and subtract fractions with different denominators and mixed numbers.
Frac	Multiply simple pairs of proper fractions, writing the answer in its simplest form [for example, $1/4 \times 1/2 = 1/8$].	I can multiply fractions such as $1/4 \times 1/2 = 1/8$.
Fractions	Divide proper fractions by whole numbers [for example, 1/3 ÷ 2 = 1/6].	I know how to divide proper fractions by whole numbers [for example, 1/3 ÷ 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].	I can change a fraction into a decimal - for example, I can change 3/8 to 0.375 by dividing 1 by 8 and multiplying by 3.

	Multiply one-digit numbers with up to two decimal places by whole numbers.	l can multiply numbers such as 1.45 by a one-digit number - for example 1.45 x 7.
	Use written division methods in cases where the answer has up to two decimal places.	<i>I use written division methods in cases where the answer has up to two decimal places.</i>
	Solve problems which require answers to be rounded to specified degrees of accuracy.	I can solve problems which include rounding to a required accuracy such as the nearest 10, 100 or 10000.
	Recall and use equivalences between simple fractions, decimals and percentages, including in different contexts.	I know the decimal value, percentage and fraction of a range of values - such as 0.5, 50 per cent and 1/2.
Ratio	Solve problems involving the calculation of percentages [for example, of measures, and such as 15% of 360] and the use of percentages for comparison.	I can find the percentage of an amount - such as finding 15 per cent of 360.
Algebra	Use simple formulae.	I know how to use simple formulae such as $n - 10 = 2$.
	Find pairs of numbers that satisfy an equation with two unknowns.	I can find pairs of numbers that satisfy an equation with two unknowns.
Measurement	Solve problems involving the calculation and conversion of units of measure, using decimal notation up to three decimal places where appropriate.	I solve problems about different units of measure with three decimal places.
	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 three decimal places.	I can convert measurements of length, weight, volume and time up to three decimal places in length (for example 0.345kg = 345g).
Shape	Compare and classify geometric shapes based on their properties and sizes and find unknown angles in any triangles, quadrilaterals, and regular polygons.	I can classify geometric shapes based on their properties and sizes and find unknown angles in any triangles, quadrilaterals, and regular polygons.
	Recognise angles where they meet at a point, are on a straight line, or are vertically opposite, and find missing angles.	I can work with angles where they meet at a point, are on a straight line, or are vertically opposite, and find missing angles.