

Caring, curious, courageous

| | Objective | Child speak objective |
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| 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. |
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| | 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? |
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| 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). |
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| 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. |
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| 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. |

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| 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. |
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| 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. |
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| 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. |
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| | 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. |