

Maths

Year 4

Number and place value

Counts in multiples of 6, 7, 9, 25 and 1000.

Finds 1000 more or less than a given number.

Counts backwards through zero to include negative numbers.

Recognises the place value of each digit in a four-digit number (thousands, hundreds, tens, and ones).

Orders and compares numbers beyond 1000.

Identifies, represents and estimates numbers using different representations.

Rounds any number to the nearest 10, 100 or 1000.

Read Roman numerals to 100 (I to C) and knows that over time, the numeral system changed to include the concept of zero and place value.

Solves number and practical problems that involve all of the above and with increasingly large positive numbers.

Number - addition and subtraction

Adds and subtracts numbers with up to 4 digits using the formal written methods of columnar addition and subtraction where appropriate.

Estimates and uses inverse operations to check answers to a calculation.

Solves addition and subtraction two-step problems in contexts, deciding which operations and methods to use and why.

Number - multiplication and division

Recalls multiplication and division facts for multiplication tables up to 12×12 .

Uses place value, known and derived facts to multiply and divide mentally, including: multiplying by 0 and 1; dividing by 1; multiplying together three numbers.

Recognises and uses factor pairs and commutativity in mental calculations.

Multiplies two-digit and three-digit numbers by a one-digit number using formal written layout.

Solves problems involving multiplying and adding, including using the distributive law to multiply two digit numbers by one digit, integer scaling problems and harder correspondence problems such as n objects are connected to m objects.

Divides two-digit and three-digit numbers by a one-digit number using formal written layout.

Number - Fractions (Decimals & Percentages)

Recognises and shows, using diagrams, families of common equivalent fractions.

Counts up and down in hundredths; recognises that hundredths arise when dividing an object by one hundred and dividing tenths by ten.

Solves problems involving increasingly harder fractions to calculate quantities, and fractions to divide quantities, including non-unit fractions where the answer is a whole number.

Add and subtracts fractions with the same denominator.

Recognises and writes decimal equivalents of any number of tenths or hundredths.

Recognises and writes decimal equivalents to $\frac{1}{4}$, $\frac{1}{2}$, $\frac{3}{4}$. Finds the effect of dividing a one- or two-digit number by 10 and 100, identifying the value of the digits in the answer as ones, tenths and hundredths.

Rounds decimals with one decimal place to the nearest whole number.

Compares numbers with the same number of decimal places up to two decimal places.

Solves simple measure and money problems involving fractions and decimals to two decimal places.

Measurement

Converts between different units of measure.

Measures and calculates the perimeter of a rectilinear figure (including squares) in centimetres and metres.

Finds the area of rectilinear shapes by counting squares.

Estimates, compares and calculates different measures, including money in pounds and pence.

Reads, writes and converts time between analogue and digital 12- and 24-hour clocks.

Solves problems involving converting from hours to minutes; minutes to seconds; years to months; weeks to days.

Geometry-Properties of shapes

Compares and classifies geometric shapes, including quadrilaterals and triangles, based on their properties and sizes.

Identifies acute and obtuse angles and compares and orders angles up to two right angles by size.

Identifies lines of symmetry in 2-D shapes presented in different orientations.

Completes a simple symmetric figure with respect to a specific line of symmetry.

Geometry-Position & direction

Describes positions on a 2-D grid as coordinates in the first quadrant.

Describes movements between positions as translations of a given unit to the left/right and up/down

Plots specified points and draws sides to complete a given polygon.

Statistics

Interprets and presents discrete and continuous data using appropriate graphical methods, including bar charts and time graphs.

Solves comparison, sum and difference problems using information presented in bar charts, pictograms, tables and other graphs.

Maths

Year 3

Number and place value

Counts from 0 in multiples of 4, 8, 50 and 100; finds 10 or 100 more or less than a given number.

Recognises the place value of each digit in a three-digit number (hundreds, tens, ones).

Compares and orders numbers up to 1000.

Identifies, represents and estimates numbers using different representations.

Reads and writes numbers up to 1000 in numerals and in words.

Solves number problems and practical problems involving these ideas.

Solves number and practical problems that involve all of the above.

Number - addition and subtraction

Adds and subtracts numbers mentally, including a three-digit number and ones.

Add and subtracts numbers mentally, including a three-digit number and tens.

Adds and subtracts numbers mentally, including a three-digit number and hundreds.

Adds and subtracts numbers with up to three digits, using formal written methods of columnar addition and subtraction.

Estimates the answer to a calculation and uses inverse operations to check answers.

Solves problems, including missing number problems, using number facts, place value, and more complex addition and subtraction.

Number - multiplication and division

Recalls and uses multiplication and division facts for the 3, 4 and 8 multiplication tables.

Writes and calculates 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.

Solves problems, including missing number problems, involving multiplication and division, including positive integer scaling problems and correspondence problems in which n objects are connected to m objects.

Number - Fractions (Decimals & Percentages) Counts up and down in tenths; recognising that tenths arise

from dividing an object into 10 equal parts and in dividing one-digit numbers or quantities by 10

Recognises, finds and writes fractions of a discrete set of objects: unit fractions and non-unit fractions with small denominators.

Recognises and uses fractions as numbers: unit fractions and non-unit fractions with small denominators.

Recognises and shows, using diagrams, equivalent fractions with small denominators.

Adds and subtracts fractions with the same denominator within one whole.

Compare and order unit fractions, and fractions with the same denominators.

Solves problems that involve all of the above.

Measurement

Measures, compares, adds and subtracts: lengths (m/cm/mm); mass (kg/g); volume/capacity (l/ml).

Measures the perimeter of simple 2-D shapes.

Adds and subtracts amounts of money to give change, using both £ and p in practical contexts.

Tells and writes the time from an analogue clock, including using Roman numerals from I to XII, and 12-hour and 24-hour clocks.

Estimates and reads time with increasing accuracy to the nearest minute.

Records and compares time in terms of seconds, minutes and hours.

Uses vocabulary such as o'clock, a.m./p.m., morning, afternoon, noon and midnight.

Knows the number of seconds in a minute and the number of days in each month, year and leap year.

Compares durations of events.

Geometry-Properties of shapes

Draws 2-D shapes and make 3-D shapes using modelling materials.

Recognises 3-D shapes in different orientations and describes them.

Recognises angles as a property of shape or a description of a turn.

Identifies right angles, recognises that two right angles make a half-turn, three make three quarters of a turn and four a complete turn.

Identifies whether angles are greater than or less than a right angle.

Identifies horizontal and vertical lines and pairs of perpendicular and parallel lines.

Statistics

Interprets and presents data using bar charts, pictograms and tables.

Solves one-step and two-step questions [eg, 'How many more?' and 'How many fewer?'] using information presented in scaled bar charts and pictograms and tables.

Maths

Year 2

Number and place value

- Counts in steps of 2, 3, and 5 from 0, and in tens from any number, forward and backward.
- Recognises the place value of each digit in a two-digit number (tens, ones).
- Identifies, represents and estimates numbers using different representations, including the number line.
- Compares and orders numbers from 0 up to 100; use $<$, $>$ and $=$ signs.
- Reads and writes numbers to at least 100 in numerals and in words.
- Uses reasoning about place value and number facts to solve problems.

Number - addition and subtraction

- Solves problems with addition and subtraction using concrete objects and pictorial representations, including those involving numbers, quantities and measures.
- Solves problems with addition and subtraction applying their increasing knowledge of mental and written methods.
- Recalls and uses addition and subtraction facts to 20 fluently, and derives and uses related facts up to 100.
- Adds and subtracts numbers using concrete objects, pictorial representations, and mentally, including a 2-digit number and 1's.
- Adds and subtracts numbers using concrete objects, pictorial representations, and mentally, including a 2-digit number and 10's.
- Adds and subtracts numbers using concrete objects, pictorial representations, and mentally, including two 2-digit numbers.
- Adds and subtracts numbers using concrete objects, pictorial representations, and mentally, including adding 3 single-digit numbers.
- Shows that addition of two numbers can be done in any order and subtraction of one number from another cannot.
- Recognises and uses the inverse relationship between addition and subtraction and use this to check calculations and solves missing number problems.

Number - multiplication and division

- Recalls and uses multiplication and division facts for the 2, 5 and 10 multiplication tables.
- Calculates mathematical statements for multiplication and division within the multiplication tables and write them using the multiplication (\times), division (\div) and equals ($=$) signs.
- Shows that multiplication of two numbers can be done in any order and division of one number by another cannot.
- Solves problems involving multiplication and division, using materials, arrays, repeated addition, mental methods, and multiplication and division facts, including problems in contexts.
- Recognises odd and even numbers and explains how you know a particular number is odd or even.
- Makes connections between multiplication and division by 2 and doubling and halving, using these to reason about problems and calculations.
- Number - Fractions (Decimals & Percentages)** Recognises, finds, names and writes fractions $\frac{1}{3}$, $\frac{1}{4}$, $\frac{2}{4}$ and $\frac{3}{4}$ of a length, shape, set of objects or quantity.
- Writes simple fractions for example, $\frac{1}{2}$ of 6 = 3 and recognises the equivalence of $\frac{2}{4}$ and $\frac{1}{2}$.

Measurement

- Chooses and uses appropriate standard units to estimate and measure length/height in any direction (m/cm); mass (kg/g); temperature ($^{\circ}$ C); capacity (litres/ml) to the nearest appropriate unit, using rulers, scales, thermometers and measuring vessels.
- Compares and orders lengths, mass, volume/capacity and record the results using $>$, $<$ and $=$
- Recognises and uses symbols for pounds (£) and pence (p); combines amounts to make a particular value.
- Finds different combinations of coins that equal the same amounts of money.
- Solves simple problems in a practical context involving addition and subtraction of money of the same unit, including giving change.
- Compares and sequences intervals of time.
- Tells and writes the time to five minutes, including quarter past/to the hour and draws the hands on a clock face to show these times.
- Knows the number of minutes in an hour and the number

of hours in a day.

Geometry-Properties of shapes

- Identifies and describes the properties of 2-D shapes, including the number of sides and line symmetry in a vertical line.
- Identifies and describes the properties of 3-D shapes, including the number of edges, vertices and faces.
- Identifies 2-D shapes on the surface of 3-D shapes.
- Compares and sorts common 2-D and 3-D shapes and everyday objects.

Geometry-Position & direction

- Orders and arranges combinations of mathematical objects in patterns and sequences.
- Uses 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).

Statistics

- Interprets and constructs simple pictograms, tally charts, block diagrams and simple tables.
- Asks and answers simple questions by counting the number of objects in each category and sorting the categories by quantity.
- Ask and answers questions about totalling and comparing categorical data.

Maths

Year 1

Number and place value

Counts to and across 100, forwards and backwards, beginning with 0 or 1, or from any given number.

Counts, reads and writes numbers to 100 in numerals; counts in multiples of twos, fives and tens.

Given a number, identifies one more and one less.

Identifies and represents numbers using objects and pictorial representations including the number line, and uses the language of: equal to, more than, less than (fewer), most, least.

Reads and writes numbers from 1 to 20 in numerals and words.

Number - addition and subtraction

Reads, writes and interprets mathematical statements involving addition (+), subtraction (−) and equals (=) signs.

Represents and uses number bonds and related subtraction facts within 20

Adds and subtracts one-digit and two-digit numbers to 20, including zero.

Solves one-step problems that involve addition and subtraction, using concrete objects and pictorial representations, and missing number problems such as $7 = n - 9$.

Number - multiplication and division

Solves one-step problems involving multiplication and division, by calculating the answer using concrete objects etc with the support of the teacher.

Recalls multiplication facts for the 10 multiplication table and uses them to derive division facts, counting in steps of 10 to answer questions.

Recalls and uses doubling and halving facts for numbers up to double 10 and other significant doubles.

Recognises odd and even numbers to 20

Number - Fractions (Decimals & Percentages) Recognises, finds and names a half as one of two equal parts of an object, shape or quantity.

Recognises, finds and names a quarter as one of four equal parts of an object, shape or quantity.

Measurement

Compares, describes and solves practical problems for lengths and heights.

Compares, describes and solves practical problems for mass/weight.

Compares, describes and solves practical problems for capacity and volume.

Compares, describes and solves practical problems for time .

Measures and begins to record lengths and heights.

Measures and begins to record mass/weight.

Measures and begins to record capacity and volume.

Measures and begins to record time (hours, minutes, seconds).

Recognises and knows the value of different denominations of coins and notes.

Sequences events in chronological order

using language.

Recognises and uses language relating to dates, including days of the week, weeks, months and years.

Tells the time to the hour and half past the hour and draws the hands on a clock face to show these times.

Geometry-Properties of shapes

Recognises and names common 2-D shapes including, eg, rectangles (including squares), circles and triangles.

Recognises and names common 3-D shapes, eg, cuboids (including cubes), pyramids and spheres.

Sorts shapes based on simple properties.

Geometry-Position & direction

Describes position, direction and movement, including whole, half, quarter and three-quarter turns.

Statistics

Begins to group objects into sets according to simple properties.

Answers simple questions by counting the number of objects in a category.

Maths

P10

Number and place value

Count forwards to 100 from any given number

Counts backwards from a given number to 100, sometimes with support

Records numbers to 50 in numerals and associates these with the number of objects they have counted

Uses and understands more than and less than in the context of numbers

Can make reasonable estimates of amounts to 20 and checks by counting

Number - addition and subtraction

Knows that addition can be reversed and subtraction can't

Can add and subtract 2 single digit numbers without using quantities and objects to solve problems

Can add and sometimes subtract one and two digit numbers using quantities and objects to 20

Knows by heart all pairs of whole numbers with totals to 10

Record addition and subtraction equations using symbols and numerals, not always accurately or independently.

Number - multiplication and division

Recalls doubles for numbers to 5 and halves to 10 and recognises relationship

between the them

Rote count in 2s to 20 and 10s to 100

Can share an amount between 2 or more and say how many each gets.

Recognise and record $\frac{1}{2}$

Measurement

Is able to match or suggest some suitable units for measuring length/weight/capacity

Can select some tools they could use to help solve problems related to measurement

Can make some sensible estimates in relation to measurement.

Can measure and order at least 5 objects by length

Can use a balance or weighing scales to order 3 objects or more by weight

Can order 3 or more containers by capacity

Order days of the week

Can name today, yesterday and tomorrow

Can tell the time to the hour on an analogue clock

Can find sort and name coins to 10p

Can find sort and name coins to 50

Geometry-Properties of shapes

Can match and sort 2D and 3D shapes by shape

Can match sometimes sort 2D and 3D shapes by a given property e.g. can/can't roll, has a curved edge etc.

Can construct with 3D shapes

Is beginning to know the names of some common 2D and 3D shapes

Can identify some common 2D and 3D shapes in the environment

Recognises, continues and creates patterns with 3 or more parts.

Geometry-Position & direction

Make whole and half turns

Can use directional symbols such as arrows

Knows left and right

Statistics

Create simple tally charts and count how many in a category

Can answer questions about simple charts or tables e.g. which has more?

Maths

W / p9

Number and place value

Counts reliably with numbers from one to 20, placing them in order..

Says which number is one more than a given number..

Says which number is one less than a given number..

Writes numerals up to 20 with increasing accuracy..

Records numbers from 1-20 and associates these with the number of objects they have counted.

Recognises 0 and none and zero in stories and rhymes and counting and ordering.

Number - addition and subtraction

Using quantities and objects, adds and subtracts two single-digit numbers and counts on or back to find the answer..

Using numbers up to 10, solves problems involving addition or subtraction, including comparing two sets to find a numerical difference..

Begins to know by heart all pairs of whole numbers with totals up to 10 and uses these facts to add or subtract a pair of numbers mentally.

Moves forwards and backwards using a number line to 20..

Number - multiplication and division

Solves problems, including doubling, halving and sharing.

Recognises, reads and identifies number positions on a number line to 20

Understands that 0 can be used as a place holder.

Understands the operations of multiplication and division as repeated addition and subtraction.

Measurement

Uses everyday language to talk about size and weight to compare quantities and objects and orders them by a given criteria eg longer, shorter, heavier or lighter..

Uses everyday language to talk about capacity to compare quantities and to solve problems..

Measures and orders more than 2 objects using direct comparison..

Has the opportunity to use coins and notes in role play or in everyday environments..

Starts to become familiar with coins and their names..

Looks for the value of the coin by finding the number on it..

Orders everyday events logically..

Begins to use the vocabulary of time..

Begins to show awareness of ways of measuring time eg clocks, watches..

Follows own timetable independently..

Geometry-Properties of shapes

Recognises, creates and describes patterns..

Explores characteristics of everyday objects and shapes and uses mathematical language

to describe them, using basic properties such as large, small, rectangle, triangle..

Responds to mathematical language describing properties of 2d and 3d shapes, and, when prompted, indicates a given property e.g. side, edge, vertex, face..

Responds to comparative language with regard to shape, and, when prompted, indicates which shape is larger or smaller..

Geometry-Position & direction

Uses everyday language for properties and positions eg, 'top', 'bottom', 'side'..

Recognises terms describing position such as 'on top', 'in front of', 'behind', 'in the middle' and 'in-between'..

Recognises directional symbols such as arrows..

Statistics

Organises and records pictorial data on simple charts or tables where one symbol represents one unit e.g. pictograms, block graphs..

Maths

p8

Number and place value

Joins in with rote counting to beyond 10..up to 5..

Continues to rote count onwards from a given small number..

Recognises differences in quantity..

Recognises numerals from one to nine and relates them to sets of objects..

Uses ordinal numbers - first, second, third when describing the position of objects, people or events..

Estimates a small number (up to 10) and checks by counting..

Number - addition and subtraction

Recognises differences in quantity – which is more or less; bigger or smaller?..

In practical situations, responds to 'add one' or 'take one away' from a number of objects..

Finds the total number of items in two groups by counting all of them.

Measurement

Compares objects directly, focusing on one direction such as length or height where the difference is marked and can indicate 'the long one' or 'the tall one'..

Responds to mathematical vocabulary such as larger, to describe the size of solids and flat shapes..

Adds one more coin and counts how

many up to 5..

Removes one coin and counts how many

up to 5..

Starts to show awareness that there are two 1p's in a 2p coin..

Starts to show awareness that there are five 1p's in 5p coin..

Is able to rote count out 12 coins..

Recognises numbers up to 10 on coins..

Adds one more coin and counts how many up to 8..

Removes one coin and count how many up to 8..

Shows awareness of time, through some familiarity with names of the days of the week..

Shows awareness of significant times in their day, such as meal times, bed times eg, ordering events in their day on a visual daily timetable..

Starts to relate activities in the timetable to days in the week..

Geometry-Properties of shapes

Responds to mathematical vocabulary such as 'straight', 'circle', 'larger' to describe the shape and size of solids and flat shapes..

Describes shapes in simple models, pictures and patterns..

Begins to use and develops

understanding of counting to solve problems encountered in practical circumstances..

Makes direct comparisons focussing on one dimension such as length or height..

Geometry-Position & direction

Talks about, recognises and copies simple repeating patterns and sequences..

Statistics

Records simple sorting activities using pictorial representation on simple diagrams e.g. Venn, Carroll.

Begins to respond to information that is clearly recorded (pictorial information)..

Begins to organise and record pictorial data on simple charts or tables where one symbol represents one unit e.g. pictograms, block graphs..

Maths

p7

Number and place value

Says or signs number names to 10 in counting activities..

Counts at least 5 objects reliably..

Recognises numerals from one to five and understands that each represents a constant number or amount..

Demonstrates an understanding of 'less'..

In practical situations, responds to 'add one' to a number of objects..

Number - addition and subtraction

In practical situations, responds to 'add one' to a number of objects..

Measurement

Uses familiar words in practical situations when they compare sizes and quantities using the words heavy and light, more and less, enough and not enough to compare sizes or quantities..

Starts to point out and see the

number on the coins..

Matches number on the coins to numbers in the classroom..

Sorts groups of coins in to more or less, bigger or smaller..

Adds one more coin and counts how many up to 3..

Removes one coin and counts how many up to 3..

Completes personal timetables and orders activities throughout the day that happen regularly..

Answers simple questions e.g. what's next?.

Geometry-Properties of shapes

In practical situations, uses familiar words and combinations to compare size and quantity – large & small, heavy & light, more & less, enough..

Discriminates between two alike objects to specify the differences between them – square vs rectangle..

Investigates shapes that will roll or

not roll..

Starts to pick out described shapes from a collection – beginning to classify shapes with round edges, four corners..

Geometry-Position & direction

Responds to 'forwards' and 'backwards'..

Statistics

Sorts objects/pictures by two given criterion..

Begins to record simple sorting activities or data e.g. circle sets, charts..

Begins to collect information through purposeful enquiries that can be recorded (with adult support)..

Maths

p6

Number and place value

Demonstrates an understanding of one to one correspondence in a range of contexts.

Joins in rote counting up to five..

Counts reliably to three, makes sets of up to three objects and uses numbers to three in familiar activities and games..

Demonstrates an understanding of the concept of 'more'.

Number - addition and subtraction

Demonstrates an understanding of one-to-one correspondence in a range of contexts..

Counts reliably to three; makes sets of up to 3 objects; uses numbers to 3 in familiar activities and games..

Rote counts, saying or signing to 5..

Demonstrates an understanding of the concept of more..

Separates a group of 3 objects in different ways, beginning to recognise that the total is still the same..

Number - multiplication and division

Demonstrates an understanding of one-to-one correspondence in a range of contexts..

Counts reliably to three; makes sets of up to 3 objects; uses numbers to 3 in

familiar activities and games..

Rote counts, saying or signing to 5..

Demonstrates an understanding of the concept of more..

Separates a group of 3 objects in different ways, beginning to recognise that the total is still the same..

Measurement

Secures object permanence..

Makes comparisons with objects according to size when difference is not great..

Makes comparisons between weights when difference is not great..

Shows awareness of words with size and quantity, eg. Larger, smaller, biggest, more..

Finds the heavy and light objects on request where there is a great difference..

Compares volumes where the difference is great..

Joins in rote counting of pennies or number of coins..

Counts 3 coins but not always correctly..

Starts to use numbers to five while counting coins but not in order..

Relates a series of lesson symbols to what is coming next..

Geometry-Properties of shapes

Searches for things not in their usual place..

Makes practical comparisons of objects according to size when difference is not great - aware of words like – larger, smaller, biggest..

Understands 'more', including comparisons of 'who has more' of a specific shape from a set distributed to classmates..

Copies simple patterns of physical sequences..

Participates in making practical comparisons of more or less..

Geometry-Position & direction

Shows understanding of words signs and symbols that describe positions..

Statistics

Recognises that a symbol can be associated to an event..

Sorts objects or pictures by association using clear categories..

Matches one object to one picture to record simple sets to the value of 5..

Maths

P5

Number and place value

Uses a series of actions during the singing of a familiar song, joining in by saying, signing or indicating at least one of the numbers in a familiar rhyme..

Indicates one or two, for example, by using eye-pointing, blinks, gestures or any other means to indicate one or two, as required..

Demonstrates that they are aware of contrasting quantities..

Number - addition and subtraction

Responds to, and joins in with, familiar number rhymes, stories, songs and games..

Indicates 1 or 2, especially if the number is important for them..

Demonstrates an awareness of contrasting quantities..

Knows that a group of things changes in quantity when something is added or taken away..

Creates and experiments with symbols and marks..

Recites some number names in sequence.

Number - multiplication and division

Responds to, and joins in with, familiar number rhymes, stories, songs and games..

Indicates 1 or 2, especially if the number is important for them..

Demonstrates an awareness of contrasting quantities..

Measurement

Finds big and small objects on request where

there is a great difference..

Differentiates between heavy and light objects..

Compares the overall size of one object with that of another where there is a marked difference..

Uses any numbers while playing with coins..

Begins to match the same coins to each other..

Participates in – initiates and develops activities involving processes of change and difference..

Sings/signs money songs along with the class..

Responds to activities and tasks previously participated in..

Responds to photos taken in the past..

Geometry-Properties of shapes

Searches intentionally for objects in their usual place..

Finds big and small objects on request from a choice of two, identifying the ‘big’ and ‘small’.

Compares overall size of one object with that of another where there is a marked difference between them..

Explores the properties of objects through manipulation..

Places objects where asked to place them – showing emerging understanding of prepositional phrases and vocabulary - in/on/next to..

Hands over the largest or smallest item from a set on request..

Geometry-Position & direction

Explores the position of objects..

Statistics

Understands the functional use of objects consistently..

Selects an object from a range to match a given category or function..

Orders objects into rows so that they can be compared or quantified..

Maths

p4

Number and place value

Copies some actions during number rhymes, songs and number games..

Follows a sequence of pictures or numbers as indicated by a known person during number rhymes and songs..

Number - addition and subtraction

Shows awareness of number activities and counting. e.g. copying some actions during number rhymes, songs and number games following a sequence of pictures or numbers..

Says some counting words randomly..

Distinguishes between quantities, recognising that a group of objects is more than 1..

Gains awareness of one-to-one correspondence through categorising people's belongings e.g. 'mine', 'Mum's'..

Number - multiplication and division

Shows awareness of number activities and counting. e.g. copying some actions during number rhymes, songs and number games following a sequence of pictures or numbers..

Demonstrates some object permanence.

Measurement

Encounters a variety of objects, materials, liquids of varying quantities, volumes and sizes..

Demonstrates an awareness of object permanence..

Matches similar objects..

Experiences and compares different volumes and weights..

Matches and sorts big and small objects..

Starts to sort coins and notes by colour or size..

Asks for more coins or notes..

Once all coins have gone says or indicates that all the coins have gone.

Starts to show enjoyment of counting coins..

Responds to everyday routines and events..

Anticipates an activity starting..

Anticipates the next chorus or action in songs and rhymes.

Geometry-Properties of shapes

Groups or sorts sets of objects according to properties or characteristics – size, shape.

Demonstrates an interest in object permanence and their relationship with one another.

Instigates or directs events / sequences that produce anticipated, desired results or outcomes.

Begins to show an appreciation of measure – matches objects according to size or feels the temperature of liquid in a cup.

Begins to experiment with shapes of containers in terms of their capacity.

Geometry-Position & direction

Demonstrates an interest in position and the relationship between objects.

Statistics

Indicates/identifies the properties of objects e.g. colour, function.

Matches a photograph to a person.

Begins to itemise objects and events i.e. using one finger to label one object, one clap to indicate one action