

Maths

Number – number and place value

Count in steps of 2, 3, and 5 from 0, and in tens from any number, forward and backward
Recognise the place value of each digit in a two-digit number (tens, ones)
Identify, represent and estimate numbers using different representations, including the number line
Compare and order numbers from 0 up to 100; use $<$, $>$ and $=$ signs
Read and write numbers to at least 100 in numerals and in words
Use place value and number facts to solve problems

Number – addition and subtraction

Solve problems with addition and subtraction: using concrete objects and pictorial representations, including those involving numbers, quantities and measures
Solve problems with addition and subtraction: applying their increasing knowledge of mental and written methods
Recall and use addition and subtraction facts to 20 fluently, and derive and use related facts up to 100
Add and subtract numbers using concrete objects, pictorial representations, and mentally, including: a two-digit number and ones
Add and subtract numbers using concrete objects, pictorial representations, and mentally, including: a two-digit number and tens
Add and subtract numbers using concrete objects, pictorial representations, and mentally, including: two two-digit numbers
Add and subtract numbers using concrete objects, pictorial representations, and mentally, including: adding three one-digit numbers
Show that addition of two numbers can be done in any order (commutative) and subtraction of one number from another cannot
Recognise and use the inverse relationship between addition and subtraction and use this to check calculations and solve missing number problems

Number – multiplication and division

Recall and use multiplication and division facts for the 2, 5 and 10 multiplication tables, including recognising odd and even numbers
Calculate mathematical statements for multiplication and division within the multiplication tables and write them using the multiplication (\times), division (\div) and equals ($=$) signs
Show that multiplication of two numbers can be done in any order (commutative) and division of one number by another cannot
Solve problems involving multiplication and division, using materials, arrays, repeated addition, mental methods, and multiplication and division facts, including problems in contexts

Number – fractions

Recognise, find, name and write fractions $\frac{1}{3}$, $\frac{1}{4}$, $\frac{2}{4}$ and $\frac{3}{4}$ of a length, shape, set of objects or quantity
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Year 2 Objectives

Write simple fractions for example, $\frac{1}{2}$ of 6 = 3 and recognise the equivalence of $\frac{2}{4}$ and $\frac{1}{2}$.

Measurement

Choose and use appropriate standard units to estimate and measure length/height in any direction (m/cm); mass (kg/g); temperature ($^{\circ}\text{C}$); capacity (litres/ml) to the nearest appropriate unit, using rulers, scales, thermometers and measuring vessels

Compare and order lengths, mass, volume/capacity and record the results using $>$, $<$ and $=$

Recognise and use symbols for pounds (£) and pence (p); combine amounts to make a particular value

Find different combinations of coins that equal the same amounts of money

Solve simple problems in a practical context involving addition and subtraction of money of the same unit, including giving change

Compare and sequence intervals of time

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

Know the number of minutes in an hour and the number of hours in a day

Geometry – properties of shapes

Identify and describe the properties of 2-D shapes, including the number of sides and line symmetry in a vertical line

Identify and describe the properties of 3-D shapes, including the number of edges, vertices and faces

Identify 2-D shapes on the surface of 3-D shapes [for example, a circle on a cylinder and a triangle on a pyramid]

Compare and sort common 2-D and 3-D shapes and everyday objects

Geometry – position and direction

Order and arrange combinations of mathematical objects in patterns and sequences

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)

Statistics

Interpret and construct simple pictograms, tally charts, block diagrams and simple tables

Ask and answer simple questions by counting the number of objects in each category and sorting the categories by quantity

Ask and answer questions about totalling and comparing categorical data

Year 2 Objectives

Writing

Produce coherent fiction and non-fiction writing.

Use noun phrases to describe and specify.

Use a range of co-ordination e.g. or, and, but, yet, so to join clauses.

Use a range of subordination e.g. when, if, because, as to join clauses.

Write sentences with different forms: statements and questions.

Write sentences with different forms: commands and exclamations.

Use present and past tense mostly correctly and consistently.

Demarcate most sentences in their writing with capital letters and full stops and use question and exclamation marks correctly when required.

Use commas in lists, including adjectival lists e.g. the huge, scary monster.

Use apostrophes for contractions.

Use apostrophes for singular possession.

Add -ed and -ing, to words where a change to the root word is needed e.g. make/making, try/tried

Add -er, -est to words where a change to the root word is needed e.g. bigger, biggest

Add -s, -es, -ies and -ves to words to make plurals where a change to the root word is needed.

Change adjectives to adverbs by adding -ly e.g. kind/kindly, brave/bravely

Spell most Year 2 common exception words correctly.

Segment spoken words into phonemes and represent these by graphemes, spelling most of these words correctly and making phonically-plausible attempts at others.

Form capital letters and digits of the correct size, orientation and relationship to one another and to lower-case letters.

Use the diagonal and horizontal strokes needed to join most letters.

Year 2 Objectives

Word Reading

Continue to apply phonic knowledge and skills as the route to decode words until automatic decoding has become embedded and reading is fluent

Read accurately by blending the sounds in words that contain the graphemes taught so far, especially recognising alternative sounds for graphemes

Read accurately words of two or more syllables that contain the same graphemes as above

Read words containing common suffixes

Read further common exception words, noting unusual correspondences between spelling and sound and where these occur in the word

Read most words quickly and accurately, without overt sounding and blending, when they have been frequently encountered

Read aloud books closely matched to their improving phonic knowledge, sounding out unfamiliar words accurately, automatically and without undue hesitation

Re-read these books to build up their fluency and confidence in word reading

Comprehension

Develop pleasure in reading, motivation to read, vocabulary and understanding by: listening to, discussing and expressing views about a wide range of contemporary and classic poetry, stories and non-fiction at a level beyond that at which they can read independently

Develop pleasure in reading, motivation to read, vocabulary and understanding by: discussing the sequence of events in books and how items of information are related

Develop pleasure in reading, motivation to read, vocabulary and understanding by: becoming increasingly familiar with and retelling a wider range of stories, fairy stories and traditional tales

Develop pleasure in reading, motivation to read, vocabulary and understanding by: being introduced to non-fiction books that are structured in different ways

Develop pleasure in reading, motivation to read, vocabulary and understanding by: recognising simple recurring literary language in stories and poetry

Develop pleasure in reading, motivation to read, vocabulary and understanding by: discussing and clarifying the meanings of words, linking new meanings to known vocabulary

Develop pleasure in reading, motivation to read, vocabulary and understanding by: discussing their favourite words and phrases

Develop pleasure in reading, motivation to read, vocabulary and understanding by: continuing to build up a repertoire of poems learnt by heart, appreciating these and reciting some, with appropriate intonation to make the meaning clear

Understand both the books that they can already read accurately and fluently and those that they listen to by: drawing on what they already know or on background information and vocabulary provided by the teacher

Understand both the books that they can already read accurately and fluently and those that they listen to by: checking that the text makes sense to them as they read and correcting inaccurate reading

Understand both the books that they can already read accurately and fluently and those that they listen to by: making inferences on the basis of what is being said and done

Understand both the books that they can already read accurately and fluently and those that they listen to by: answering and asking questions

Understand both the books that they can already read accurately and fluently and those that they listen to by: predicting what might happen on the basis of what has been read so far

Participate in discussion about books, poems and other works that are read to them and those that they can read for themselves, taking turns and listening to what others say

Explain and discuss their understanding of books, poems and other material, both those that they listen to and those that they read for themselves

Year 2 Objectives