



MATHEMATICS AND COMPUTING

Number - number and place value KS1

- m32 count in steps of 2, 3, and 5 from 0, and in tens from any number, forward and backward
- m33 recognise the place value of each digit in a two-digit number (tens, ones)
- m34 identify, represent and estimate numbers using different representations, including the number line
- m35 compare and order numbers from 0 up to 100; use <, > and = signs
- m37 use place value and number facts to solve problems.

Number - addition and subtraction KS1

- m38 solve problems with addition and subtraction:
- m40 applying their increasing knowledge of mental and written methods
- m41 recall and use addition and subtraction facts to 20 fluently, and derive and use related facts up to 100
- m47 show that addition of two numbers can be done in any order (commutative) and subtraction of one number from another cannot
- m48 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 KS1

- m49 recall and use multiplication and division facts for the 2, 5 and 10 multiplication tables, including recognising odd and even numbers
- m50 calculate mathematical statements for multiplication and division within the multiplication tables and write them using the multiplication (x), division (÷) and equals (=) signs
- m51 show that multiplication of two numbers can be done in any order (commutative) and division of one number by another cannot
- m52 solve problems involving multiplication and division, using materials, arrays, repeated addition, mental methods, and multiplication and division facts, including problems in contexts.

Number - fractions KS1

- m53 recognise, find, name and write fractions $\frac{1}{2}$, and of a length, shape, set of objects or quantity
- m54 write simple fractions for example, of $6 \div 3$ and recognise the equivalence of and .

Measurement KS1

- m55 choose and use appropriate standard units to estimate and measure length/height in any direction (m/cm); mass (kg/g); temperature (°C); capacity (litres/ml) to the nearest appropriate unit, using rulers, scales, thermometers and measuring vessels
- m56 compare and order lengths, mass, volume/capacity and record the results using >, < and =
- m57 recognise and use symbols for pounds (£) and pence (p); combine amounts to make a particular value
- m58 find different combinations of coins that equal the same amounts of money
- m60 compare and sequence intervals of time
- m61 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
- m62 know the number of minutes in an hour and the number of hours in a day.

Geometry - position and direction KS1

- m68 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 KS1

- m69 interpret and construct simple pictograms, tally charts, block diagrams and simple tables
- m70 ask and answer simple questions by counting the number of objects in each category and sorting the categories by quantity
- m71 ask and answer questions about totalling and comparing categorical data.
- m72 know the number of seconds in a minute and the number of days in each month, year and leap year
- m73 compare durations of events [for example to calculate the time taken by particular events or tasks].

Geometry - properties of shapes KS1

- m77 identify horizontal and vertical lines and pairs of perpendicular and parallel lines.

Statistics KS1

- m78 interpret and present data using bar charts, pictograms and tables
- m79 solve one-step and two-step questions for example, [How many more? and How many fewer] using information presented in scaled bar charts and pictograms and tables.

KS1

- co1 I know that an algorithm is an instruction in a computer program
- co12 I understand what 'personal information' is and why it must be kept private
- co13 I know what to do if I am worried about anything when I am using the internet

LITERACY

Reading - word reading KS1

- e61 continue to apply phonic knowledge and skills as the route to decode words until automatic decoding has become embedded and reading is fluent
- e63 read accurately words of two or more syllables that contain the same graphemes as above
- e64 read words containing common suffixes
- e65 read further common exception words, noting unusual correspondences between spelling and sound and where these occur in the word
- e66 read most words quickly and accurately, without overt sounding and blending, when they have been frequently encountered
- e68 re-read these books to build up their fluency and confidence in word reading.

Reading - comprehension KS1

- e88 learning to spell common exception words
- e89 learning to spell more words with contracted forms

Writing - handwriting KS1

- e95 form lower-case letters of the correct size relative to one another
- e96 start using some of the diagonal and horizontal strokes needed to join letters and understand which letters, when adjacent to one another, are best left unjoined
- e97 write capital letters and digits of the correct size, orientation and relationship to one another and to lower case letters
- e98 use spacing between words that reflects the size of the letters.

Writing - composition KS1

Week 1: Can I use multiplication and Division to solve problems?
 Week 2: can I combine amounts of coins to make different combinations?
 Week 3: Can I identify and describe the properties of 2D and 3D shapes?
 Can I interpret and construct simple pictograms, tally charts and block diagrams and simple tables?
 Week 4: Can I recognize, find, name and write fractions $\frac{1}{3}$, $\frac{1}{4}$, $\frac{2}{4}$ and $\frac{3}{4}$?
 Week 5: Can I write simple fractions and recognize the equivalence of $\frac{2}{4}$ and $\frac{1}{2}$?
 Week 6: Can I compare and order the lengths, mass, volume and capacity and record the results using <, >, =?
 Can I tell and write the time to 5 minutes, including quarter past and to the hour?

Week 1: Can I describe a character's feelings? Use digital literacy to look at the emotions of how a character is feeling, create word bank and write a descriptive piece of text.
 Week 2: Can I re-tell a familiar patterned story? Use digital literacy to plan a patterned story include conjunctions and time words.
 Week 3: Can I recite a winter poem? Use the season of winter as stimulus to explore winter poems. Look at images (Literacy Shed) to build class winter vocabulary.
 Week 4: Can I describe a character's feelings. Use digital literacy for pupils to explore friendship and hope.
 Week 5 & 6: Use information texts to find out about caring for a dog. Report writing - sub-headings, bullet points, diagrams.

AP & JF Y2
Eng & Maths
Aut 2 '16

AP & JF Y2 Eng & Maths Aut 2 '16 - Stage Coverage

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- **m54** write simple fractions for example, of 6 = 3 and recognise the equivalence of $\frac{1}{2}$ and $\frac{2}{4}$.

Measurement **KS1**

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- **e68** re-read these books to build up their fluency and confidence in word reading.

Reading - comprehension **KS1**

- **e69** develop pleasure in reading, motivation to read, vocabulary and understanding by:
- **e70** 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
- **e71** discussing the sequence of events in books and how items of information are related
- **e74** recognising simple recurring literary language in stories and poetry
- **e76** discussing their favourite words and phrases
- **e78** understand both the books that they can already read accurately and fluently and those that they listen to by:
- **e82** answering and asking questions
- **e84** 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

Writing - transcription - Spelling **KS1**

- **e86** segmenting spoken words into phonemes and representing these by graphemes, spelling many correctly
- **e88** learning to spell common exception words
- **e89** learning to spell more words with contracted forms

Writing - handwriting **KS1**

- **e95** form lower-case letters of the correct size relative to one another
- **e96** start using some of the diagonal and horizontal strokes needed to join letters and understand which letters, when adjacent to one another, are best left unjoined
- **e97** write capital letters and digits of the correct size, orientation and relationship to one another and to lower case letters
- **e98** use spacing between words that reflects the size of the letters.

Writing - composition **KS1**

- **e99** develop positive attitudes towards and stamina for writing by:
- **e103** writing for different purposes
- **e104** consider what they are going to write before beginning by:
- **e105** planning or saying out loud what they are going to write about
- **e106** writing down ideas and/or key words, including new vocabulary
- **e108** make simple additions, revisions and corrections to their own writing by:
- **e109** evaluating their writing with the teacher and other pupils
- **e111** proof-reading to check for errors in spelling, grammar and punctuation [for example, ends of sentences punctuated correctly]

Writing - vocabulary, grammar and punctuation **KS1**

- **e115** learn how to use:
- **e116** sentences with different forms: statement, question, exclamation, command
- **e117** expanded noun phrases to describe and specify [for example, the blue butterfly]
- **e119** subordination (using when, if, that, or because) and co-ordination (using or, and, or but)

