## Fluent in Five

Progression in Objectives Document

## Progression in Objectives

This shows the objectives for Year 3 that can be tested in the arithmetic paper. These are shown alongside Year 2 objectives, which by the start of Year 3 it is assumed all children will be secure in. The Fluent in Five daily challenges are based on children progressing to Year 3 objectives throughout the first term, with the majority of calculations objectives secure by the start of spring term.

## Contents

Number and place value p. 3
The four operations p. 4
Fractions p. 7

## Number and place value

|  | Content domain references | End of Year 2 | End of Year 3 |
| :---: | :---: | :---: | :---: |
| Number and place value | N1 <br> Counting in multiples (NB: Can be used for multiplication questions in arithmetic papers). | Count in steps of 2,3 and 5 , from 0 , and in tens from any number, forward or backward. | Count from 0 in multiples of 4, 8, 50 and 100. |
|  | N2 <br> Reading and writing numbers. | Read and write numbers to at least 100 in numerals and in words. | Read and write numbers to 1,000 in numerals and in words. |
|  | N3 <br> Compare and order numbers. | Compare and order numbers from 0 up to 100 , use <, > and = signs. | Compare and order numbers from 0 up to 999 , use <, > and = signs. |
|  | N4 <br> Finding 10 and 100 more or less (mentally). |  | Find 10 or 100 more or less than a given number. |
|  | N5 <br> Place value in numbers. | Recognise the place value of each digit in a two-digit number (tens and ones). | Recognise the place value of each digit in a three-digit number (hundreds, tens and ones). |

## The four operations

|  | Content domain references | End of Year 2 | End of Year 3 |
| :---: | :---: | :---: | :---: |
| The four operations | C KS1 1 <br> Number bonds and known facts (addition). | Recall and use addition facts to 20 fluently, and derive and use related facts up to 100 . |  |
|  | C KS1 2 <br> Number bonds and known facts (subtraction). | Recall and use subtraction facts to 20 fluently, and derive and use related facts up to 100 . |  |
|  | C1 <br> Mental addition and subtraction. | a) Add and subtract a two-digit number and ones. | a) Add and subtract numbers with up to three digits and ones. |
|  |  | b) Add and subtract a two-digit number and tens. | b) Add and subtract numbers with up to a three digits and tens. |
|  |  |  | c) Add and subtract numbers with up to a three digits and hundreds. |
|  |  | d) Add and subtract two two-digit numbers (no crossing of tens boundary). | d) Add and subtract two two-digit numbers (no crossing of tens boundary). |
|  |  | e) Add three one-digit numbers. | e) Add three one-digit numbers. |


|  | Content domain references | End of Year 2 | End of Year 3 |
| :---: | :---: | :---: | :---: |
| The four operations (continued) | C2 <br> Written addition and subtraction. | Add and subtract numbers using concrete objects and pictorial representations, including: <br> - a two-digit number and ones. <br> - a two-digit number and tens. <br> - two two-digit numbers. <br> - adding three one-digit numbers. | Add and subtract numbers with up to three digits, using formal written methods of columnar addition and subtraction. |
|  | C3 <br> Known multiplication and division facts. | a) Recall and use multiplication and division facts for the 2 times multiplication table, including recognising odd and even numbers. | a) Recall and use multiplication and division facts for the 4 times table. |
|  |  | b) Recall and use multiplication and division facts for the 5 times multiplication table. | b) Recall and use multiplication and division facts for the 8 times multiplication table. |
|  |  | c) Recall and use multiplication and division facts for the 10 times multiplication table. | c) Recall and use multiplication and division facts for the 3 times multiplication table. |


|  | Content domain references | End of Year 2 | End of Year 3 |
| :---: | :---: | :---: | :---: |
| The four operations (continued) |  |  | d) Recall and use multiplication and division facts for the 2,5 and 10 times multiplication table. |
|  | C4 <br> Known multiplication and |  | a) Use place value, known and derived facts to multiply by 0 . |
|  |  |  | b) Use place value, known and derived facts to multiply and divide by 1. |
|  | C8 <br> Multiplication and Division (informal methods). | a) Calculate mathematical statements for multiplication within the known multiplication tables and write them using the multiplication $(\times)$ and equals (=) signs. | a) Calculate mathematical statements for multiplication within the known multiplication tables and write them using the multiplication $(x)$ and equals (=) signs. |
|  |  | b) Calculate mathematical statements for division within the known multiplication tables and write them using the division $(\div)$ and equals (=) signs. | b) Calculate mathematical statements for division within the known multiplication tables and write them using the division $(\div)$ and equals (=) signs. |

## Fractions

|  | Content domain references | End of Year 2 | End of Year 3 |
| :--- | :--- | :--- | :--- |

