Year 4

Small Steps Summary

Block 1: Place Value

White RoseMaths

Overview

Small Steps

- Roman numerals to 100
- Round to the nearest 10
- Round to the nearest 100
- Count in 1,000s
- 1,000s, 100s, 10s and 1s
- Partitioning
- Number line to 10,000
- 1,000 more or less
- Compare numbers
- Order numbers
- Round to the nearest 1,000
- Count in 25s
- Negative numbers

NC Objectives

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

Find 1000 more or less than a given number.

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

Order and compare numbers beyond 1000

Identify, represent and estimate numbers using different representations.

Round any number to the nearest 10, 100 or 1000

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

Count backwards through zero to include negative numbers.

Overview

Small Steps

NC Objectives

Add and subtract 1s, 10s, 100s and 1000s

Add two 4-digit numbers – no exchange

Add two 4-digit numbers – one exchange

Add two 4-digit numbers – more than one exchange

Subtract two 4-digit numbers – no exchange

Subtract two 4-digit numbers – one exchange

Subtract two 4-digit numbers – more than one exchange

Efficient subtraction

Estimate answers

Checking strategies

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

Estimate and use inverse operations to check answers to a calculation.

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

Overview

Small Steps

NC Objectives

Kilometres

Perimeter on a grid

Perimeter of a rectangle

Perimeter of rectilinear shapes

Measure and calculate the perimeter of a rectilinear figure (including squares) in centimetres and metres

Convert between different units of measure [for example, kilometre to metre]

Overview

Small Steps

Multiply by 10

Multiply by 100

Divide by 10

Divide by 100

Multiply by 1 and 0

Divide by 1

Multiply and divide by 6

6 times-table and division facts

Multiply and divide by 9

9 times-table and division facts

Multiply and divide by 7

7 times-table and division facts

NC Objectives

Recall and use multiplication and division facts for multiplication tables up to 12 × 12.

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

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

Solve 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.