

# Maths KS2: Y3 Identify, Represent and Estimate Using Different Representations Teacher Notes

This document gives guidance to the main areas of study in the Year 4 requirements.

## Curriculum 2014 Year 4

### Statutory Requirements

Pupils should be taught to:

- identify, represent and estimate numbers using different representations

### Non Statutory Guidance

Using a variety of representations, including measures, pupils become fluent in the order and place value of numbers beyond 1000, including counting in tens and hundreds, and maintaining fluency in other multiples through varied and frequent practice.

### Notes about way of writing numbers beyond 1000

In most cases, when thousand numbers are written, they are written 2367 rather than 2,367. Both are correct. Using the comma helps to clearly show the thousands. There are currently no resources within this unit to show children how to use commas in numbers larger than 1000.

The convention used in these is that where only numbers up to 9999 are used, no comma is included, but where questions include numbers of 10,000 and beyond, commas are used, even with numbers below 9999.

Children need to be familiar with both formats.

### Progression

Content	Vocabulary
Representing numbers using different models and images – Base 10 and blank number lines.	Million, Thousand, hundred, ten, one, represent, order, partition, place value, number line
Estimating numbers using different representations – blank number lines	Million, Thousand, hundred, ten, one, estimate, represent, order, partition, place value, number line
Tens and hundreds either side of a number	Million, Thousand, hundred, ten, one, estimate, represent, order, partition, place value, number line greater (more)/ less than, next, before
Estimating measures	Thousand, hundred, ten, one estimate, represent, order, partition, place value, metre, centimetre, millimetre, litre, millilitre, kilogram, gram, pound, pence

Estimating calculations	Million, Thousand, hundred, ten, one, estimate, represent, order, partition, place value, number line, add, subtract
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## Year 4 Identifying, Representing and Estimating

Lesson 1a	Representing numbers using Base 10
Lesson 1b	Representing numbers using Base 10 by children drawing
Lesson 2a	Representing numbers on a 0-1000 blank number line
Lesson 2b	Estimating numbers on a 0-1000 number line
Lesson 2c	Representing numbers on different number lines
Lesson 2d	Estimating numbers on different number lines
Lesson 3a	Which hundreds is the following number between?
Lesson 3b	Which tens is the following number between?
Lesson 4a	Estimating length
Lesson 4b	Estimating capacity
Lesson 4c	Estimating weight
Lesson 4d	Estimating money
Lesson 5a	Estimating addition calculations
Lesson 5b	Estimating subtraction calculations
Lesson 5c	Estimating money calculations (addition and subtraction)

### Resources for this Unit

Base 10 equipment, blank number lines, individual whiteboards and pens,