

Numeracy Framework

Year 3

Identify processes and connections

- ✎ transfer mathematical skills to a variety of contexts and everyday situations
- ✎ identify the appropriate steps and information needed to complete the task or reach a solution
- ✎ select appropriate mathematics and techniques to use
- ✎ select and use suitable instruments and units of measurement
- ✎ choose an appropriate mental or written strategy and know when it is appropriate to use a calculator
- ✎ estimate and visualise size when measuring and use the correct units

Represent and communicate

- ✎ explain results and procedures clearly using mathematical language
- ✎ refine informal methods of recording written calculations, moving to formal methods of calculation when developmentally ready
- ✎ use appropriate notation, symbols and units of measurement
- ✎ select and construct appropriate charts, diagrams and graphs with suitable scales

Review

- ✎ select from an increasing range of checking strategies to decide if answers are reasonable
- ✎ interpret answers within the context of the problem and consider whether answers, including calculator displays, are sensible
- ✎ draw conclusions from data and recognise that some conclusions may be misleading



I am able to (use number skills to)...

- ✎ read and write numbers to 1 000
- ✎ compare and estimate with numbers up to 100
- ✎ use mental strategies to recall number facts within 20
- ✎ recall 2, 3, 5 and 10 multiplication tables and use to solve simple multiplication and division problems
- ✎ multiply numbers by 10
- ✎ use halves, quarters in simple contexts, e.g. 1 of 20
- ✎ halve 2-digit numbers in the context of number, money and measures
- ✎ find fractional quantities linked to known table facts, e.g. $\frac{1}{3}$ of 18, $\frac{1}{5}$ of 15
- ✎ find differences within 100
- ✎ add and subtract 2-digit numbers
- ✎ use partitioning to double and halve 2-digit numbers
- ✎ check subtraction using addition
- ✎ check halving using doubling
- ✎ check multiplication using repeated addition
- ✎ use different combinations of money to pay for items up to £2 and calculate the change
- ✎ order and compare items up to £10



I am able to (use measuring skills to)...

- ✎ use standard units of measure:
 - length: measure on a ruler to the nearest $\frac{1}{2}$ cm
 - weight: use 5g, 10g and 100g weights
 - capacity: use litres and half litres; measure to the nearest 100ml
- ✎ tell the time to the nearest 5 minutes on an analogue clock and calculate how long it is to the next hour
- ✎ read hours and minutes on a 12-hour digital clock using am/pm conventions
- ✎ take temperature readings using simple labelled thermometers and interpret readings above and below 0°C



I am able to (use data skills to)...

- ✎ represent data using:
 - simple lists, tally charts, tables and diagrams
 - bar and bar line graphs labelled in 2s, 5s and 10s
 - pictograms where one unit represents more than one object using simple key
 - Venn and Carroll diagrams
- ✎ extract and interpret information from simple charts, timetables, diagrams and graphs.

