

Numeracy

Place value, ordering and rounding to include:

- Multiplying and dividing any positive integer up to 10,000 by 10 or 100.
- Recognising negative numbers and counting back below 0.
- Ordering a set of positive and negative numbers on a number line.

Understanding \times and \div to include:

- Rehearsing the distributive law for multiplication and introducing the use of brackets.

Mental Calculation Strategies to include:

- Mentally multiplying a 2-digit multiple of 10 by a 1-digit number.
- Mentally multiplying a 3-digit multiple of 100 by a 1-digit number.
- Mentally multiplying a 3-digit multiple of 10 by a 2-digit multiple of 10.
- Multiplying by 5 then by 10 and halving.
- Multiplying by 50 then by 100 and then halving.
- Multiplying by 25 using the fact that 4×25 is 100.
- Mentally multiplying by partitioning a number.
- Using halving and doubling to aid multiplication.
- Deriving harder multiplication facts by doubling easier facts.
- Multiplying two numbers by halving one and doubling the other.
- Dividing by 4 by halving and halving again.
- Dividing by 8 by halving and halving and halving again.
- Rehearsing the concept of difference and relating it to 'taking away'.
- Finding difference mentally by counting on and using a number line.
- Mentally adding and subtracting near multiples of 10 and 100.
- Mentally add and subtract HTU and TU by partitioning.
- Rehearsing different methods for subtraction.

Making Decisions and Checking Results to include:

- Choosing and using appropriate number operations to solve problems.
- Checking these answers with an equivalent calculation.
- Developing calculator skills and using a calculator effectively.
- Choosing an appropriate strategy to multiply mentally.

Money and 'real life' problems to include:

- Solving simple word problems involving numbers based on 'real life' using one or more steps.
- Solving word problems involving addition and subtraction in the context of money.

Fractions, decimals and percentages to include:

- Rehearsing decimal notation for tenths and hundredths.
- Knowing the value of each digit in a number with up to 2 dp. and ordering a set of numbers with 2 dp.
- Recognising the equivalence between decimals and fractions.

Handling data to include:

- Drawing and interpreting a line graph.
- Classifying events based on degrees of likelihood e.g., certain and impossible etc.

Measures, including problems about measures to include:

- Understanding, measuring and calculating the perimeter of a rectangle and any polygon.
- Understanding and using formula in words for the area of a rectangle.
- Understanding the relationship between metric units of mass and solving problems involving mass and length.
- Investigating a general statement about area and perimeter by finding examples to match it.

Shape and space to include:

- Rehearsing the names and properties of common 2-d shapes.

Reasoning about shapes to include:

- Classifying 3-d shapes according to their properties.
- Rehearsing polyhedron, tetrahedron and to introduce octahedron.
- Rehearsing reading and plotting co-ordinates in the first quadrant.
- Drawing and describing polygons based on the co-ordinates of their vertices.

Pencil and paper procedures (+ and -) to include:

- Subtracting HTU-TU and ThHTU-HTU by standard written methods.

Pencil and paper procedures (x and ÷) to include:

- Using informal pencil and paper methods to support, record or explain multiplications and divisions.

Properties of numbers to include:

- Understanding the term 'factor'; finding factor pairs of numbers up to 100.
- Knowing and applying the tests of divisibility.

Literacy

This term we will be learning ...

- ✓ To distinguish between and explore onomatopoeia.
- ✓ To build up spelling strategies by using syllabic parts, prefixes, suffixes, common letter strings, spelling patterns; building words from known words including meaning and derivation.
- ✓ The correct use of possessive pronouns, antonyms, dictionaries and IT spell-checks.
- ✓ Revise and consolidate recognising and using different kinds of nouns, pronouns and agreement.
- ✓ To understand how writing can be adapted for different audiences and purposes, construct sentences in different ways, changing structure and vocabulary using punctuation and contractions effectively.
- ✓ To secure the use of the comma in embedding clauses within sentences.
- ✓ To recognise and use punctuation to replace intonation, pauses and gestures in writing.
- ✓ To read, perform and compile an anthology of poems, understanding the terms which describe different kind of poems.
- ✓ To read, investigate, compare, evaluate and take notes from a variety of explanatory texts.
- ✓ To plan, compare, edit and compose explanatory texts, recording and acknowledging sources.
- ✓ To identify and classify features of different fiction genres.
- ✓ To make notes for oral retelling, distinguish between author and narrator and write own versions, reviewing and editing for the needs of an identified reader.
- ✓ To locate information, evaluate texts critically and convert to personal notes, using information gathered to plan, compose and refine own non-chronological report and explanatory texts.

Key texts/Authors/Poets:

- ✓ FICTION AND POETRY: (i) traditional stories, myths, legends, fables from range of cultures; (ii) longer classic poetry, including narrative poetry.
- ✓ NON-FICTION: (i) non-chronological reports; (ii) explanations.
Holes by Louis Sachar