Lingfield Education Trust

Year 5 Arithmetic

Overview

Purpose

- keep factual knowledge – additive and multiplicative – secure and instant
- develop mental calculation strategies
- develop formal written calculation strategies
- efficient strategy choice, including through interleaving
- develop test technique

Weekly Overview

Term	Weeks	Focus
Autumn 1	1-2	Multiplying & Dividing Integers by 10 & 100
	3-4	Mental Addition Strategies
	5-6	Scaled Multiplication & Division Integer Facts
Autumn 2	7-8	Mental Subtraction Strategies
	9-10	Multiplicative Facts Beyond Known Facts
	11-12	Column Addition & Subtraction
Spring 1	13-14	Multiplicative Fact Remainders
	15-16	Adding Fractions & Mixed Numbers
	17-18	Ratio Tables
Spring 2	19-20	Subtracting Fractions & Mixed Numbers
	21-22	Multiplying & Dividing Decimals by 10, 100 & 1000
	23-24	Addition & Subtraction (mental & columns)
Summer 1	25-26	Scaled Multiplication & Division Decimal Facts
	27-28	Mental Multiplication & Division Strategies
	29-30	Short Multiplication & short division (including decimals)
Summer 2	31-32	Multiplying & Dividing Fractions
	33-34	Fractions of Amounts
	35-36	Long Multiplication

Unit Structure

Monday	Tuesday	Wednesday	Thursday	Friday
Fact Retrieval	Teach New Content	Teach New Content	Teach New Content	Teach New Content
Fact Retrieval	Teach New Content	Teach New Content	Mental Maths Test	Arithmetic Test

Unit Structure

- Each session should last 15 minutes.
- Sessions are based on an 'I do, We do, You do' approach, where the 'You do' is independent work on MWBs or in dedicated arithmetic books.
- In nearly all cases, interleaved content should be encouraged to be completed using a mental strategy.
- Ensure misconceptions are followed up in maths intervention time.