The Lane End KIRFs for 2024-25 have been built using the Ready to Progress criteria taken from the DFE Mathematics Guidance: KS1 & KS2 (2020).

There is a daily fluency session in each class and children are given the time to practise and apply the facts and objectives assigned to their year group.

Year 1 and Year 2 follow the NCETM Mastering Number Programme and their KIRFs are covered within this and also through whole class maths (see Long Term Maps for when this happens). Reception will begin NCETM from Spring 1.

Year 3 will focus on 3NF-2 in daily fluency sessions and other fluency objectives are covered within whole class maths (as KS1).

Year 4 will focus on 4NF-1 in daily fluency sessions and other fluency objectives are covered within whole class maths (as KS1).

Following scores and analysis of the Year 4 MTC (2024), Year 5 will focus on 5NF-1 during the Autumn term, specifically x7 x11 x12, with any further consolidation that may be required. Those children who attain this objective before the end of this block will develop fluency within this further and practise applying their knowledge to increasingly complex problems. They will then focus on 3NF-3, 4NF-3 and 5NF-2 to revise and embed the children's knowledge and understanding of scaling. Alongside this, they will work through Year 5 Fluent in Five to develop fluency within a variety of arithmetic questions and use judgement to apply to a variety of math problems.

Year 6 will follow the progression within Year 6 Fluent in Five during daily fluency sessions with some time will be given to 5NF-1 for those children who still need this.

Key Instant Recall Facts – Learning and Assessment Schedule 2024-25						
	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Reception	See separate NCETM Mastering Number overview					
Year 1	See separate NCETM Mastering Number overview Year 1 KIRFs are practised during maths lessons – see Lane End long term maps for this in detail					
Year 2	See separate NCETM Mastering Number overview Year 2 KIRFs are practised during maths lessons – see Lane End long term maps for this in detail					
Year 3	Fluency 3NF-2: Recall of x2, x5, x10, x3, x4, x8 multiplication and related division facts. Fluency 3NF-3: Apply place value knowledge to known additive and multiplicative number facts (Scaling facts by 10)					
Year 4	Fluency 4NF-2: Recall of x6 x9 x7 x11 x12 multiplication and related division facts. MTC Consolidation 12x12 key facts. Fluency 4NF-3: Apply place value knowledge to known additive and multiplicative number facts (Scaling facts by 100)					
Year 5	5NF-1 Secure fluency in multiplication table facts, and corresponding division facts through continued practice.		5NF-2 Scaling (one tenth and one hundredth) Daily fluent in 5			
Year 6	Daily fluent in 5					

Ready to Progress Criteria (Mathematics Guidance, 2020)

Number Facts

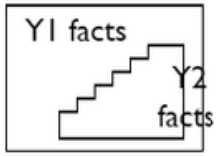
NF	1NF–1 Develop fluency in addition and subtraction facts within 10. →	2NF–1 Secure fluency in addition and subtraction facts within 10, through continued practice. →	3NF–1 Secure fluency in addition and subtraction facts that bridge 10, through continued practice.			
	1NF–2 Count forwards and backwards in multiples of 2, 5 and 10, up to 10 multiples, beginning with any multiple, and count forwards and backwards through the odd numbers. →		3NF–2 Recall multiplication facts, and corresponding division facts, in the 10, 5, 2, 4 and 8 multiplication tables, and recognise products in these multiplication tables as multiples of the corresponding number. →	4NF–1 Recall multiplication and division facts up to 12 × 12, and recognise products in multiplication tables as multiples of the corresponding number. →	5NF–1 Secure fluency in multiplication table facts, and corresponding division facts, through continued practice.	
				4NF–2 Solve division problems, with two-digit dividends and one-digit divisors, that involve remainders, and interpret remainders appropriately according to the context.		
			3NF–3 Apply place-value knowledge to known additive and multiplicative number facts (scaling facts by 10). →	4NF–3 Apply place-value knowledge to known additive and multiplicative number facts (scaling facts by 100) →	5NF–2 Apply place-value knowledge to known additive and multiplicative number facts (scaling facts by 1 tenth or 1 hundredth).	

KS1 Fluency Facts

Number Facts

Adding 1 | Bonds to 10 | Adding 10 | Bridging/ compensating

Adding 2 | Adding 0 | Doubles | Near doubles



+	0	1	2	3	4	5	6	7	8	9	10
0	0 + 0	0 + 1	0 + 2	0 + 3	0 + 4	0 + 5	0 + 6	0 + 7	0 + 8	0 + 9	0 + 10
1	1 + 0	1 + 1	1 + 2	1 + 3	1 + 4	1 + 5	1 + 6	1 + 7	1 + 8	1 + 9	1 + 10
2	2 + 0	2 + 1	2 + 2	2 + 3	2 + 4	2 + 5	2 + 6	2 + 7	2 + 8	2 + 9	2 + 10
3	3 + 0	3 + 1	3 + 2	3 + 3	3 + 4	3 + 5	3 + 6	3 + 7	3 + 8	3 + 9	3 + 10
4	4 + 0	4 + 1	4 + 2	4 + 3	4 + 4	4 + 5	4 + 6	4 + 7	4 + 8	4 + 9	4 + 10
5	5 + 0	5 + 1	5 + 2	5 + 3	5 + 4	5 + 5	5 + 6	5 + 7	5 + 8	5 + 9	5 + 10
6	6 + 0	6 + 1	6 + 2	6 + 3	6 + 4	6 + 5	6 + 6	6 + 7	6 + 8	6 + 9	6 + 10
7	7 + 0	7 + 1	7 + 2	7 + 3	7 + 4	7 + 5	7 + 6	7 + 7	7 + 8	7 + 9	7 + 10
8	8 + 0	8 + 1	8 + 2	8 + 3	8 + 4	8 + 5	8 + 6	8 + 7	8 + 8	8 + 9	8 + 10
9	9 + 0	9 + 1	9 + 2	9 + 3	9 + 4	9 + 5	9 + 6	9 + 7	9 + 8	9 + 9	9 + 10
10	10 + 0	10 + 1	10 + 2	10 + 3	10 + 4	10 + 5	10 + 6	10 + 7	10 + 8	10 + 9	10 + 10