Appendix 3a: Progression Through Times Tables Facts

Class teachers do **multiplication squares weekly** with their class using the times tables children are expected to know in each class/year.

The teacher should join the children in completing the number square as a role model

After starting off a stopwatch at 0:00 each child attempts to complete as many answers as possible in the time allowed. If they complete the whole grid, the child shouts 'stop' and their time is read out by the teacher and recorded by the child in their Maths book. Early finishers can practice tables using a whiteboard but must remain quiet so as not to disturb others.

After the allotted time the grids are marked together with children swapping books and marking each other's as the teacher reads out the correct answers along each row.

Class teachers will record each child's progress & then guide children to set a personalised times table target for the next week e.g. to learn my 4x tables for next Friday; to try to improve my time and score…

Year 1

May complete addition squares at the discretion of the teacher.

Year 2

2, 5, 10 and 3x tables.

Grid 3 columns by 10 rows. Time allocated 3 minutes

Year 3

2, 3, 4, 5, 8, 10 x tables

Grid builds up to 6 columns by 10 rows. Time allocated one minute per row.

Year 4

2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12 x tables

Grid builds up with columns added as tables are learnt.

Year 5 and Year 6

All tables

The number square may look something like this in their Maths book – 10 by 10 in Y5/Y6

x	2	8	7	3	5	9	11	4	10	6
3	6	24	21	9	15	27	33	12	30	18
12	24	96	84	36	60	108	132	48	120	74 ✘
4	8	32	28	12	20	36	44	16	40	24
7	14	56	49	21	35	63	77	28	70	42
8	16	64	56	24	35 ✘	72	88	32	80	48
2	4	16	14	6	10	18	22	8	20	12
11	22	88	77	33	55	99	121	44	110	66
5	10	40	35	15	25	45	55	20	50	30
10	20	80	70	30	50	90	110	40	100	60
9	18	72	63	27	45	81	99	34 ✘	90	54

Time: 8:33   Score: 97

Teacher's mark books will record progress e.g.

	6/1 - Baseline			13/1			20/1			27/1		
	Score/ time			Score/ time			Score/ time			Score/ time		
Tom	12	>10		13	>10	1hp	14	9:25	2hp	14	9:21	1hp
				Better score	Same time		Better score	Better time		Same score	Better time	
Anna	45	9:53		49	9:55	0hp	52	9:55	1hp	58	9:40	2hp
William	92	8:32		98	8:30	2hp	100	8:26	3hp	100	8:13	4hp

Baseline – Week 1
1hp – improved personal time OR improved score
2hp – improved time AND improved score
3hp – improved time AND full marks
4hp – improved time AND full marks for a consecutive week