

Times tables Policy 2023 onwards- Number Sense Maths



The full set of multiplication calculations that pupils need to be able to solve by automatic recall are shown in the table below. Pupils must also have automatic recall of the corresponding division facts. There are 36 essential facts!

1 × 1	1 × 2	1 × 3	1 × 4	1 × 5	1 × 6	1 × 7	1 × 8	1 × 9	1 × 10	1 × 11	1 × 12
2 × 1	2 × 2	2 × 3	2 × 4	2 × 5	2 × 6	2 × 7	2 × 8	2 × 9	2 × 10	2 × 11	2 × 12
3 × 1	3 × 2	3 × 3	3 × 4	3 × 5	3 × 6	3 × 7	3 × 8	3 × 9	3 × 10	3 × 11	3 × 12
4 × 1	4 × 2	4 × 3	4 × 4	4 × 5	4 × 6	4 × 7	4 × 8	4 × 9	4 × 10	4 × 11	4 × 12
5 × 1	5 × 2	5 × 3	5 × 4	5 × 5	5 × 6	5 × 7	5 × 8	5 × 9	5 × 10	5 × 11	5 × 12
6 × 1	6 × 2	6 × 3	6 × 4	6 × 5	6 × 6	6 × 7	6 × 8	6 × 9	6 × 10	6 × 11	6 × 12
7 × 1	7 × 2	7 × 3	7 × 4	7 × 5	7 × 6	7 × 7	7 × 8	7 × 9	7 × 10	7 × 11	7 × 12
8 × 1	8 × 2	8 × 3	8 × 4	8 × 5	8 × 6	8 × 7	8 × 8	8 × 9	8 × 10	8 × 11	8 × 12
9 × 1	9 × 2	9 × 3	9 × 4	9 × 5	9 × 6	9 × 7	9 × 8	9 × 9	9 × 10	9 × 11	9 × 12
10 × 1	10 × 2	10 × 3	10 × 4	10 × 5	10 × 6	10 × 7	10 × 8	10 × 9	10 × 10	10 × 11	10 × 12
11 × 1	11 × 2	11 × 3	11 × 4	11 × 5	11 × 6	11 × 7	11 × 8	11 × 9	11 × 10	11 × 11	11 × 12
12 × 1	12 × 2	12 × 3	12 × 4	12 × 5	12 × 6	12 × 7	12 × 8	12 × 9	12 × 10	12 × 11	12 × 12

When are these facts learnt in our academy?

<u>Year 3</u>	<u>Year 3</u>	<u>Year 3</u>	<u>Year 4</u>	<u>Year 4</u>	<u>Year 4</u>	<u>Year 4</u>	<u>Year 4</u>
2 tt	5tt	3tt	4tt	6tt	7tt	8tt	9tt
2 × 2							
3 × 2	3 × 5	3 × 3					
4 × 2	4 × 5	4 × 3	4 × 4				
5 × 2	5 × 5						
6 × 2	6 × 5	6 × 3	6 × 4	6 × 6			
7 × 2	7 × 5	7 × 3	7 × 4	7 × 6	7 × 7		
8 × 2	8 × 5	8 × 3	8 × 4	8 × 6	8 × 7	8 × 8	
9 × 2	9 × 5	9 × 3	9 × 4	9 × 6	9 × 7	9 × 8	9 × 9
8 facts	7 facts	6 facts	5 facts	4 facts	3 facts	2 facts	1 fact
<u>By end of Y3:</u>			<u>By end of Y4</u>				
<u>21 facts learnt</u>			<u>15 facts learnt to complete building blocks</u>				
<u>15 facts still to learn</u>			<u>21 more facts for times table check (see below)</u>				

Year 4: 21 more facts

<u>11 × 2</u>	<u>11 × 3</u>	<u>11 × 4</u>	<u>11 × 5</u>	<u>11 × 6</u>	<u>11 × 7</u>	<u>11 × 8</u>	<u>11 × 9</u>	<u>11 × 10</u>	<u>11 × 11</u>	
<u>12 × 2</u>	<u>12 × 3</u>	<u>12 × 4</u>	<u>12 × 5</u>	<u>12 × 6</u>	<u>12 × 7</u>	<u>12 × 8</u>	<u>12 × 9</u>	<u>12 × 10</u>	<u>12 × 11</u>	<u>12 × 12</u>

Overviews.

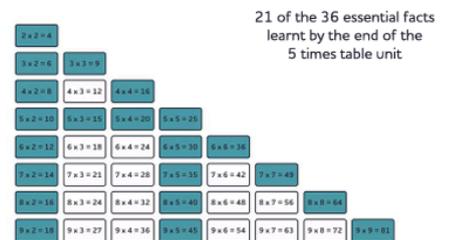
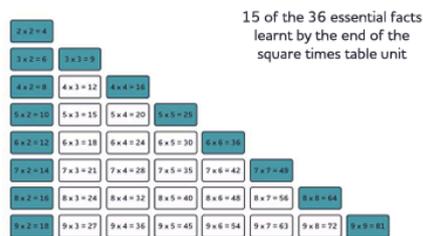
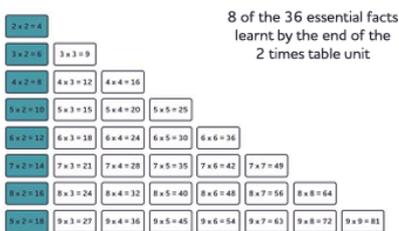
	Autumn			Spring						Summer			
Year 3				Doubles		2 Times Table		Square Times Table		5 Times Table		Consolidation	
				5 weeks		5 weeks (8 facts)		5 weeks (7 new facts)		5 weeks (6 new facts)		3-5 weeks 21 out of 36 facts learnt by end of Year 3	
Year 4	Recap	3 Times Table	4 Times Table	6 Times Table	7 Times Table	8 TT	9 TT	More squares	10&11 TT	12 Times Table	MTC Prep	MTC	Consolidation
	3 weeks	5 weeks (5 new facts)	5 weeks (4 new facts) 30 out of 36 facts learnt by end of Autumn Term	3 weeks (3 new facts)	3 weeks (2 new facts)	2 weeks (1 new fact)	2 weeks (0 new facts) All 36 facts learnt by mid Spring 2	1 wk	1 wk (Remaining facts needed for MTC learnt)	4 weeks	3 weeks	1 wk	3-5 weeks
Year 5	Daily consolidation			Weekly consolidation (weekly fluency session and weekly conceptual animation)									
Year 6	Weekly consolidation												



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Year 3 overview

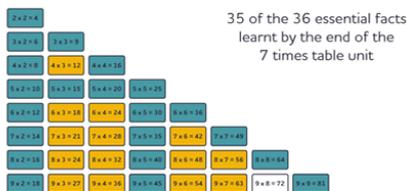
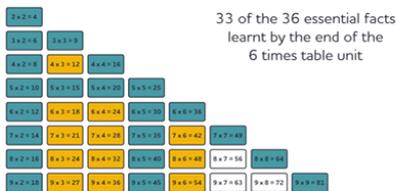
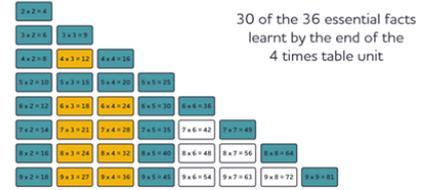
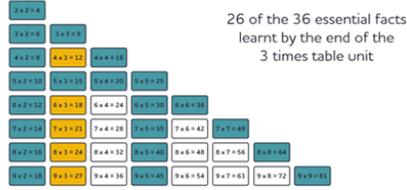
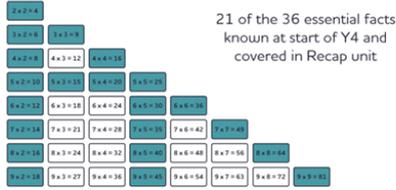
	Autumn		Spring			Summer		
			Stage 1 Unit 1 Doubles		Stage 2 Unit 1 2 Times Table	Stage 2 Unit 2 Square Times Table	Stage 2 Unit 3 5 Times Table	Stage 2 Unit 4 Consolidation
			5 weeks		5 weeks (8 facts)	5 weeks (7 new facts)	5 weeks (6 new facts)	3-5 weeks 21 out of 36 facts learnt by end of Year 3



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Year 4 overview

Autumn			Spring					Summer				
Stage 3 Unit 1 Recap	Stage 3 Unit 2 3 Times Table	Stage 3 Unit 3 4 Times Table	Stage 3 Unit 4 6 Times Table	Stage 3 Unit 5 7 Times Table	Stage 3 Unit 6 8 Times Table	Stage 3 Unit 7 9 Times Table	Stage 4 Unit 1 More squares	Stage 4 Unit 2 10&11 TT	Stage 4 Unit 3 12 Times Table	Stage 4 Unit 4 MTC Prep	MTC	Stage 5 Consolidation
3 weeks	5 weeks (5 new facts)	5 weeks (4 new facts)	3 weeks (3 new facts)	3 weeks (2 new facts)	2 weeks (1 new fact)	2 weeks (0 new facts)	1 wk	1 wk	4 weeks	3 weeks	1 wk	3-5 weeks
30 out of 36 facts learnt by end of Autumn Term			All 36 facts learnt by mid Spring 2					(Remaining facts needed for MTC learnt)				



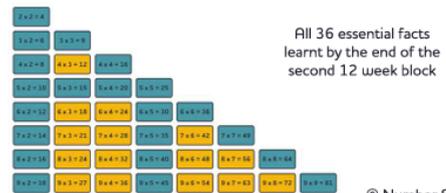
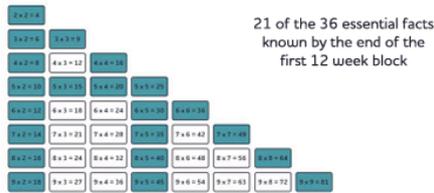
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'Getting going plan' for Year 5 and Year 6 in 2023

Getting Going Plan – The 36 Essential Facts in 24 weeks

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12		
Weeks 1 - 12	Stage 1 Unit 1 Doubles		Stage 2 Unit 1 2 Times Table Booklet sessions 1 – 16				Stage 2 Unit 2 Square Times Table Booklet sessions 1 – 16			Stage 2 Unit 2 5 Times Table Booklet sessions 1 – 16			Spare days	
	8 days		16 days 8 facts				16 days 7 new facts			16 days 6 facts			21 out of 36 essential facts learnt	
Weeks 13 - 24	Stage 3 Unit 2 3 Times Table Booklet sessions 1 – 16				Stage 3 Unit 3 4 Times Table Booklet sessions 1 – 16				Stage 3 Unit 4 6 Times Table Booklet sessions 1 – 12			Stage 3 Extra booklet 7, 8 and 9 Times Table Booklet sessions 1 – 10		Spare days
	16 days 5 new facts				16 days 4 new facts				12 days 3 new facts			12 days 3 new facts		All 36 essential facts learnt
Weeks 25 on→	Embed fluent and develop conceptual understanding using Stage 5 Book 1, Consolidation to 9 x 9													

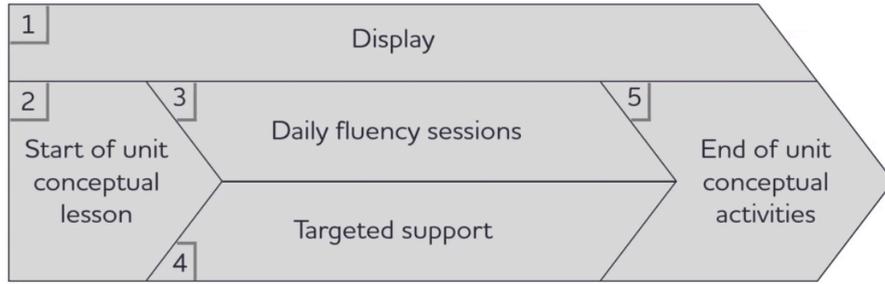


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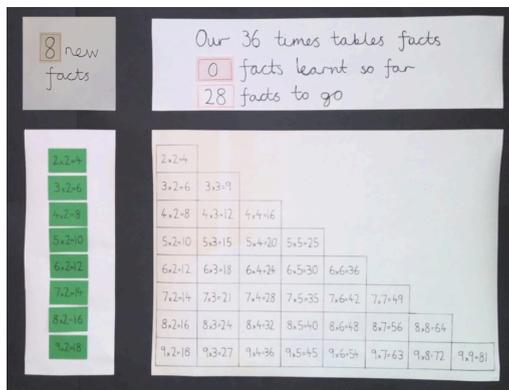
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How are times tables taught at our academy? Principles and teaching approach.

All teaching units in our Times Tables Fluency Programme follow the same 5 step teaching approach:



1. A consistent classroom display through the programme helps children see where they are on the journey to fluency, and provides them with a place to find facts that they do not yet know.

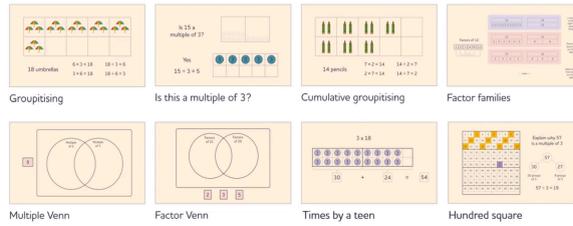


2. Children need to be **taught** to build an understanding of multiplicative structures and relationships as well as learning times tables facts. The Times Tables Fluency programme teaches this conceptual understanding through both the start of unit conceptual lessons, where children look at patterns and structures within multiples of that number, and through the end of unit conceptual activities (see Step 5). **This teaching is done through the use of counting sticks, chanting and animations.**

3. The 10 minute daily fluency session **is at the heart of the teaching approach.** It's where the repeated retrieval and rehearsal of the facts, which leads to fluency in recall, takes place. There is specific pedagogy to each of the four parts of that daily session. See Appendix '**Structure of a fluency session.**'

5. The end of unit conceptual activities teach children to apply the times tables facts they are fluent in to multiplicative structures and properties.

End of unit animations



Next Review Date: **September 2026**. This policy is reviewed annually and updated as required to reflect current best practice.