



Marton Manor Primary School

Multiplication Tables

A school approach to teaching, practice and recall



Year Group Expectations

Year 1	Year 2	Year 3	Year 4	Years 5 and 6
x2 counting steps x10 counting steps x5 counting steps	x2 x10 x5	recap: x2, x10, x5 x4 x8 x3 x6	recap: x2, x4, x8, x3, x6 x9 x7 x11 x12	weekly mixed retrieval and recall of all table facts

Taught Lessons

X2	X10	X5	X4	X8
Doubles & Doubling (2a) Halves & Halving (2b) Counting & Rep. Addition (2c) Commutativity (2d) The Distributive Property (2e) Inverse Relationships (2f)	Counting & Rep. Addition (10a) Commutativity (10b) The Distributive Property (10c) Inverse Relationships (10d)	Counting & Rep. Addition (5a) Commutativity (5b) The Distributive Property (5c) Inverse Relationships (5d)	Counting & Rep. Addition (4a) Deriving Facts & Patterns (4b) Commutativity (4c) The Distributive Property (4d) Inverse Relationships (4e)	Counting & Rep. Addition (8a) Deriving Facts & Patterns (8b) Commutativity (8c) The Distributive Property (8d) Inverse Relationships (8e)

X3	X6	X9	X7	X11, X12, Xsq
Counting & Rep. Addition (3a) Commutativity (3b) The Distributive Property (3c) Inverse Relationships (3d)	Counting & Rep. Addition (6a) Deriving Facts & Patterns (6b) Commutativity (6c) The Distributive Property (6d) Inverse Relationships (6e)	Counting & Rep. Addition (9a) Commutativity (9b) The Distributive Property (9c) Deriving Facts & Patterns (9d) Inverse Relationships (9e)	Counting & Rep. Addition (7a) Commutativity (7b) The Distributive Property (7c) Deriving Facts & Patterns (7d) Inverse Relationships (7e)	Commutativity (11a) The Distributive Property (11b) Commutativity (12a) The Distributive Property (12b) Squares (a) Squares (b)

Year 2 Overview

Week	Autumn Term					Spring term					Summer Term				
	Mon (grid)	Tues (grid)	Wed (grid)	Thur (grid)	Fri (lesson)	Mon (grid)	Tues (grid)	Wed (grid)	Thur (grid)	Fri (lesson)	Mon (grid)	Tues (grid)	Wed (grid)	Thur (grid)	Fri (lesson)
1	5 maths lessons to be taught each week until tables have been taught in Spring 1					5 maths lessons to be taught each week until tables have been taught in Spring 1					1 x 10	10x10	5 x 10	2 x10	X10a
2											4 x 10	8 x 10	3 x 10	6 x 10	X10b
3											9 x 10	7 x 10	11x10	12x10	X10c
4											6 x 10	8 x 10	11x10	12x10	X10d
5											1x 5	10 x 5	5 x 5	2 x 5	X5a
6											4 x 5	8 x 5	3 x 5	6 x 5	X5b
7						1 x 2	10 x 2	5 x 2	2 x 2	X2a	9 x 5	7 x 5	11x5	12x5	X5c
8						4 x 2	8 x 2	3 x 2	6 x 2	X2b	6 x 5	8 x 5	11x5	12x5	X5d
9						9 x 2	7 x 2	11 x 2	12 x 2	X2c	Mixed daily practice of x2, x10, x5				
10						1 x 2	10 x 2	5 x 2	2 x 2	X2d					
11						4 x 2	8 x 2	3 x 2	6 x 2	X2e					
12						9 x 2	7 x 2	11 x 2	12 x 2	X2f					
13						Mixed daily practice x2									
14															
15															

Year 3 Overview

Week	Autumn Term					Spring term					Summer Term				
	Mon (grid)	Tues (grid)	Wed (grid)	Thur (grid)	Fri (lesson)	Mon (grid)	Tues (grid)	Wed (grid)	Thur (grid)	Fri (lesson)	Mon (grid)	Tues (grid)	Wed (grid)	Thur (grid)	Fri (lesson)
1	1 x 2	10 x 2	5 x 2	2 x 2	X2a	6 x 2	7 x 2	8 x 2	9 x 2	X2d	1 x 3	10 x 3	5 x 3	2 x 3	X3a
2	4 x 2	8 x 2	3 x 2	6 x 2	X2b	1 x 4	10 x 4	5 x 4	2 x 4	X4a	4 x 3	8 x 3	3 x 3	6 x 3	X3b
3	9 x 2	7 x 2	11 x 2	12 x 2	X2c	4 x 4	8 x 4	3 x 4	6 x 4	X4b	9 x 3	7 x 3	11 x 3	12 x 3	X3c
4	4 x 2	8 x 2	3 x 2	6 x 2	X2d	9 x 4	7 x 4	11 x 4	12 x 4	X4c	6 x 3	7 x 3	8 x 3	9 x 3	X8d
5	9 x 2	7 x 2	11 x 2	12 x 2	X2e	6 x 4	7 x 4	8 x 4	9 x 4	X4d	1 x 6	10 x 6	5 x 6	2 x 6	X6a
6	1 x 10	10x10	5 x 10	2 x10	X10a	4 x 4	12 x 4	6 x 4	8 x 4	X4e	4 x 6	8 x 6	3 x 6	6 x 6	X6b
7	4 x 10	8 x 10	3 x 10	6 x 10	X10b	1 x 8	10 x 8	5 x 8	2 x 8	X8a	9 x 6	7 x 6	11 x 6	12 x 6	X6c
8	9 x 10	7 x 10	11x10	12x10	X10c	4 x 8	8 x 8	3 x 8	6 x 8	X8b	6 x 6	7 x 6	8 x 6	9 x 6	X6d
9	9 x 10	7 x 10	11x10	12x10	X10d	9 x 8	7 x 8	11 x 8	12 x 8	X8c	4 x 6	12x6	6 x6	8 x 6	X6e
10	1x5	10 x 5	5 x 5	2 x 5	X5a	6 x 8	7 x 8	8 x 8	9 x 8	X8d	Mixed daily practice of x3, x6 and x4, x8, x2, x10, x5				
11	4 x 5	8 x 5	3 x 5	6 x 5	X5b	4 x 8	12 x 8	6 x 8	8 x 8	X8e					
12	9 x 5	7 x 5	11x5	12x5	X5c	Mixed daily practice of x4, x8 and x2, x10, x5									
13	9 x 5	7 x 5	11x5	12x5	X5d										
14	Mixed daily practice of x2, x10, x5														
15															

Year 4 Overview

Week	Autumn Term					Spring term					Summer Term				
	Mon (grid)	Tues (grid)	Wed (grid)	Thur (grid)	Fri (lesson)	Mon (grid)	Tues (grid)	Wed (grid)	Thur (grid)	Fri (lesson)	Mon (grid)	Tues (grid)	Wed (grid)	Thur (grid)	Fri (lesson)
1	6 x 2	7 x 2	8 x 2	9 x 2	X2d	1 x 9	10 x 9	5 x 9	2 x 9	X9a	4 x 12	8 x 12	3 x 12	6 x12	X12a
2	4 x 4	8 x 4	3 x 4	6 x 4	X4a	4 x 9	8 x 9	3 x 9	6 x 9	X9b	9 x 12	7 x 12	11x12	12x12	X12b
3	9 x 4	7 x 4	11 x 4	12 x 4	X4c	9 x 9	7 x 9	11 x 9	12 x 9	X9c	4 x 4	8 x 8	3 x 3	6 x6	XSq
4	1 x 8	10 x 8	5 x 8	2 x 8	X8a	4 x 9	8 x 9	3 x 9	6 x 9	X9d	9 x 9	7 x 7	11x11	12x12	XSq
5	4 x 8	8 x 8	3 x 8	6 x 8	X8b	9 x 9	7 x 9	11 x 9	12 x 9	X9e	Mixed daily practice				
6	9 x 8	7 x 8	11 x 8	12 x 8	X8c	1 x 7	10 x 7	5 x 7	2 x 7	X7a					
7	4 x 8	8 x 8	3 x 8	6 x 8	X8d	4 x 7	8 x 7	3 x 7	6 x 7	X7b					
8	9 x 8	7 x 8	11 x 8	12 x 8	X8e	9 x 7	7 x 7	11 x 7	12 x 7	X7c					
9	4 x 3	8 x 3	3 x 3	6 x 3	X3a	4 x 7	8 x 7	3 x 7	6 x 7	X7d					
10	9 x 3	7 x 3	11 x 3	12 x 3	X3b	9 x 7	7 x 7	11 x 7	12 x 7	X7e	Daily arithmetic paper practice and mixed tables test every Friday				
11	1 x 6	10 x 6	5 x 6	2 x 6	X6a	4 x 11	8 x 11	3 x 11	6 x11	X11a					
12	4 x 6	8 x 6	3 x 6	6 x 6	X6b	9 x 11	7 x 11	11x11	12x11	X11b					
13	9 x 6	7 x 6	11 x 6	12 x 6	X6c	Mixed daily practice									
14	4 x 6	8 x 6	3 x 6	6 x 6	X6d										
15	9 x 6	7 x 6	11 x 6	12 x 6	X6e										

Table Learning and Testing

- Times table lesson on a Friday for Y3 and Y4
- Ten minutes spent daily recapping the times table, including counting and repeated addition, commutativity, distributive law and deriving facts.
- Pupils and staff must always give the complete multiplication or division, including when answering a question e.g. if asked 5×3 , the pupil must reply $5 \times 3 = 15$, NOT just 15.
- Y4 to complete a TTRS Soundcheck every Monday
- TTRS used for homework on the given table to ensure speed.
- Mini tests used weekly.
- Display facts posters of those times tables that pupils are finding trickier.

Extra Initiatives

- Daily practice on TTRS for the last fifteen minutes of the day.
- Teachers and Maths Lead to analyse heat maps on TTRS weekly and use to continually quiz pupils on their weaknesses.
- Pupils to tap poster and say fact to themselves whenever they see it around school.
- Give pupils a sticker with their own tricky fact (use heat maps) and adults around school to ask them that fact whenever they meet.

Suggested
Learning
Strategies

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

double

known fact

commutativity

derived fact

X 10 subtract one of the amount

commutativity then X 10 subtract one of the amount

distributive property

commutativity then distributive