

Parent workshop

Thursday 28th February 2019



Why is it important
to know your times
tables off by heart?



If maths was a house...

All the even more
super fun stuff

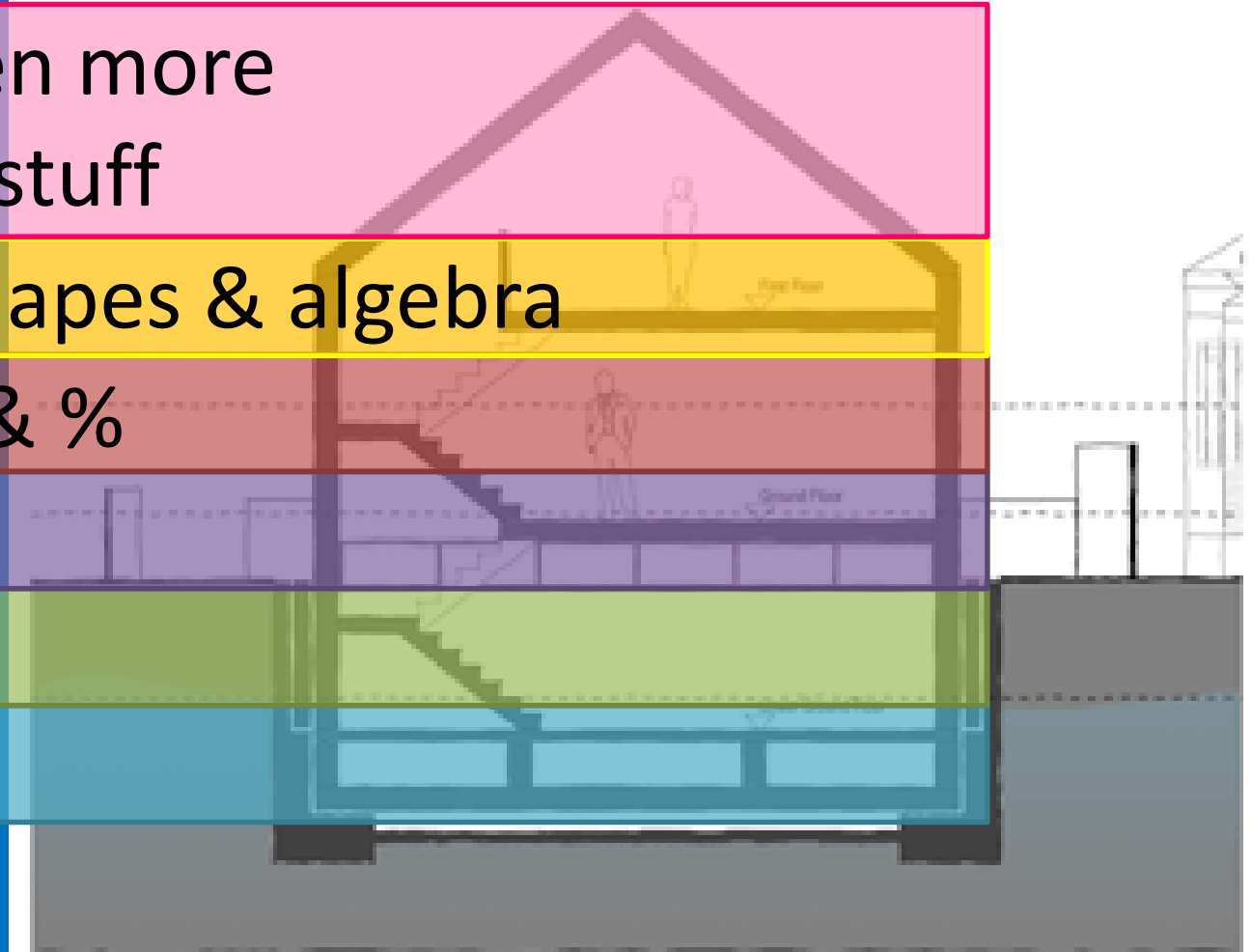
Graphs, shapes & algebra

Fractions & %

\times and \div

$+$ and $-$

Counting



Will Emeny (Great Maths Teaching Ideas) analysed a set of GCSE papers. The topic that came out on top (in terms of direct and indirect application in GCSE maths) was times tables. Nearly 60% of GCSE topics could be traced to a root in times tables.



Year 4 Times Tables Test KS2 comes in June 2020.

What Is The Purpose Of The Multiplication Tables Check?

Here's what the framework tells us:

The purpose of the MTC is to determine whether year 4 pupils can fluently recall their multiplication tables. Although the check will help schools to identify pupils who require additional support, it is not intended as a diagnostic tool.

Who Will Take the Multiplication Tables Check

All eligible year 4 pupils who are registered at maintained schools, special schools or academies (including free schools) in England will be required to take the check.

When Does The Multiplication Tables Check Start

The Multiplication Tables Check will be available as a voluntary check in the 2018/19 academic year. Schools can decide whether they wish to participate.

1: The Times Tables Check Does Not Have To Be Completed Until June 2020

This means that your current Year 4 pupils do not have to complete the check, but that your current Year 3 pupils will have to complete the check.

Remember, the curriculum suggests that by the end of Year 3, children should be [fluent in the 2, 3, 4, 5, 8, 10 times tables.](#)

2: It Will Only Present Children With Multiplication Statements Not Division

3: The Times Tables Check Is Online And On-Screen

4: The Check Will Take Place In June Each Year



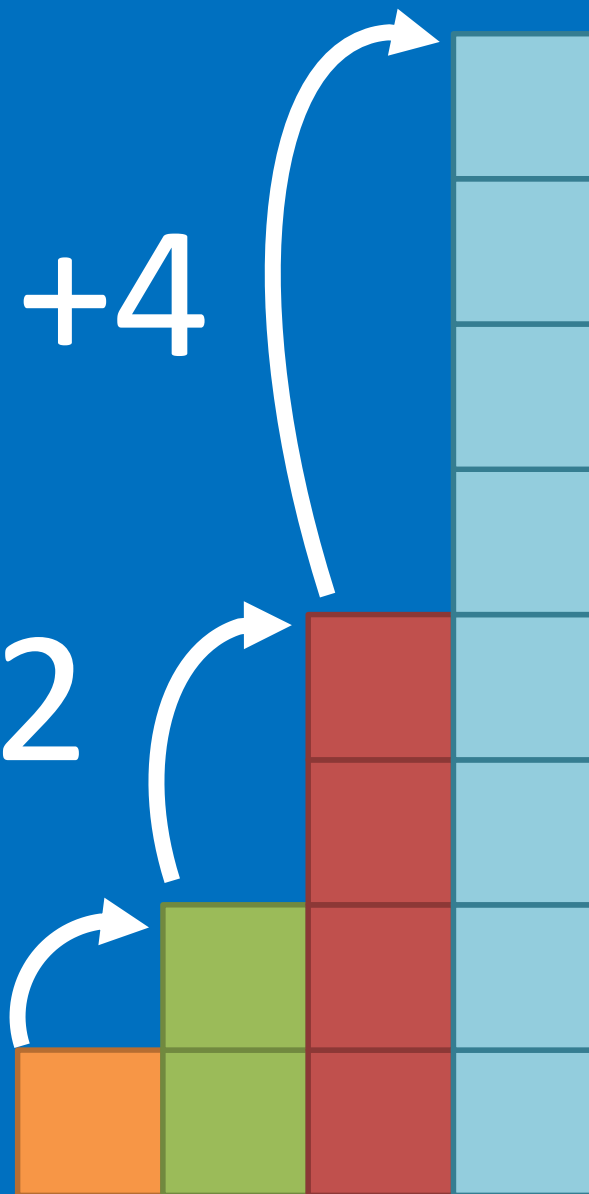
First you add 1, then 2 more, then 4 more...



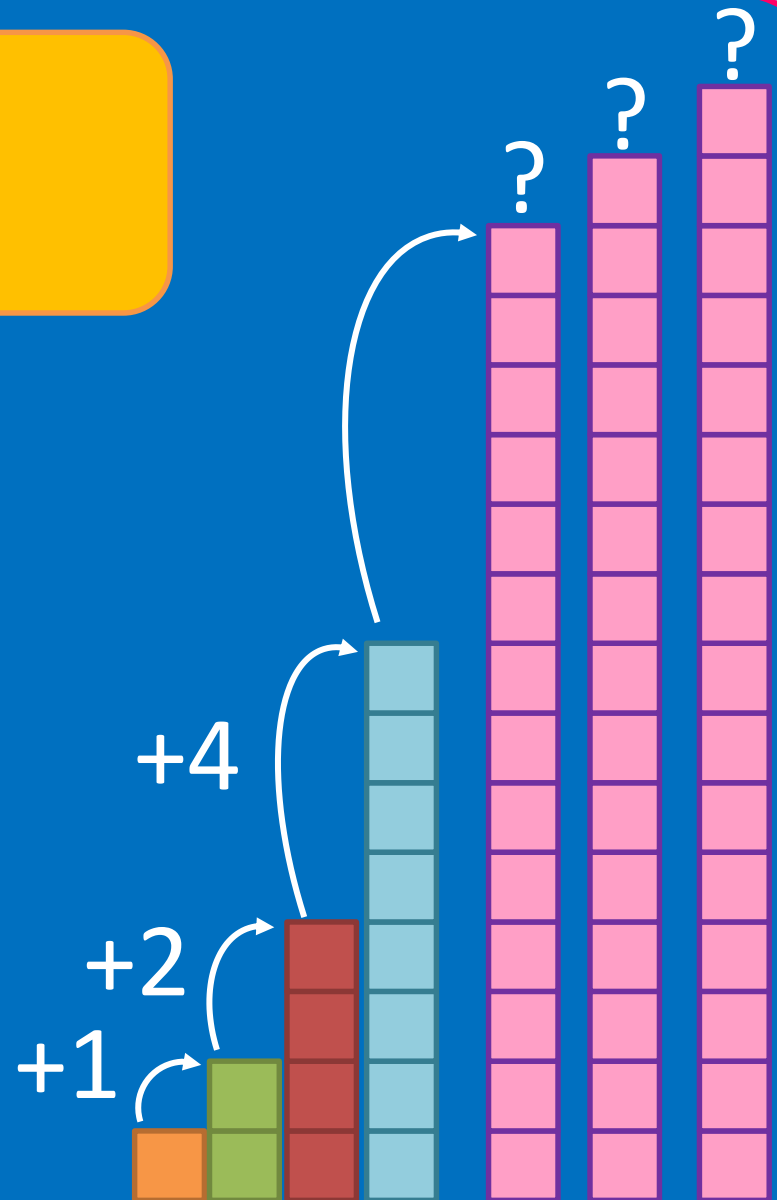
+1

+2

+4



What comes next?



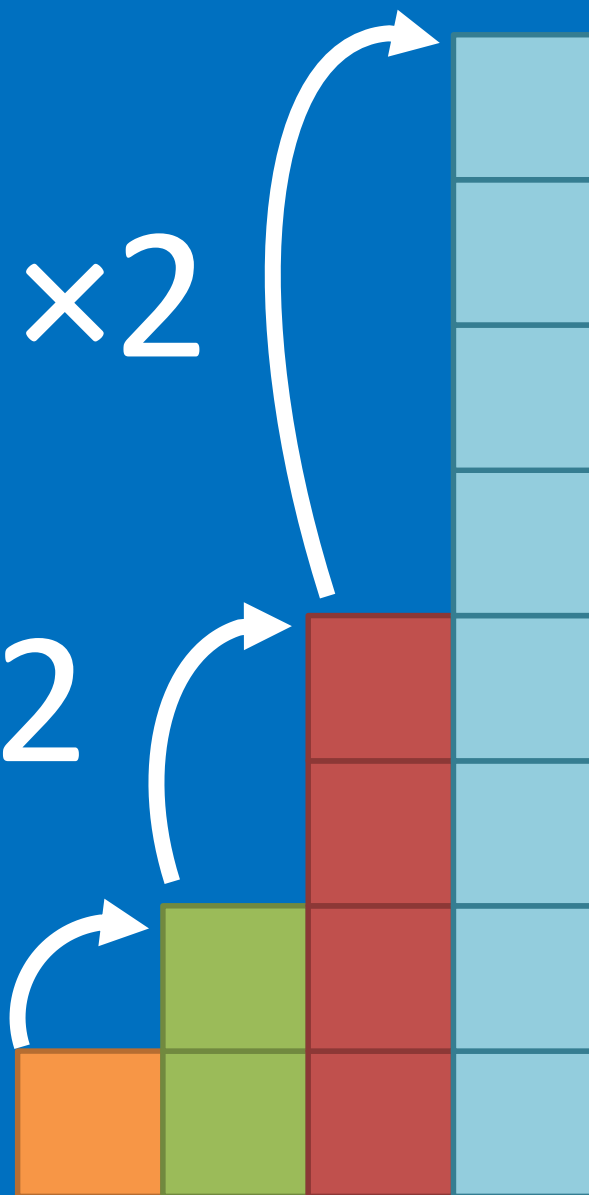
Double it each time.



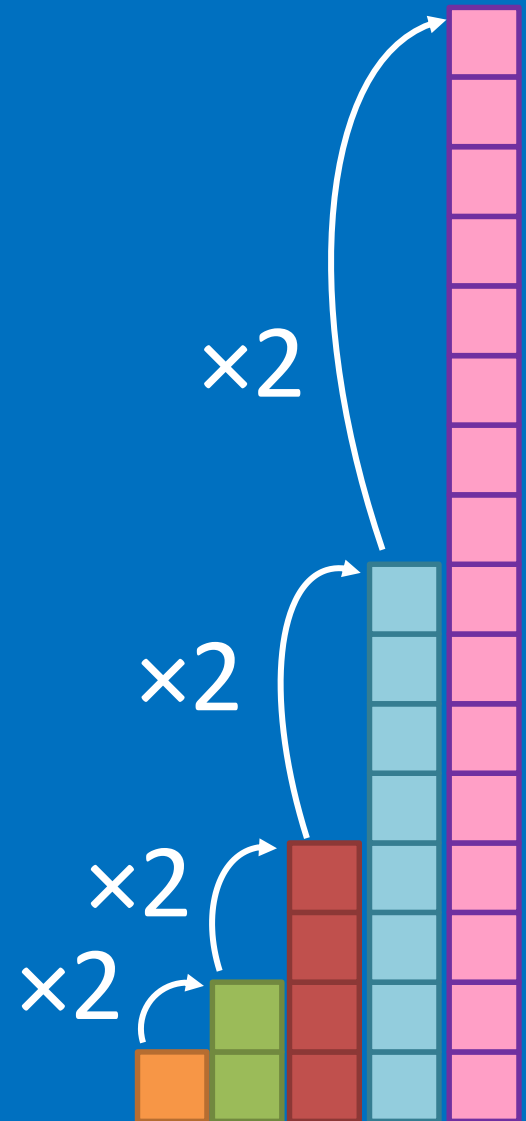
$\times 2$

$\times 2$

$\times 2$



What comes next?
The pattern is easy to see.



Three Modes

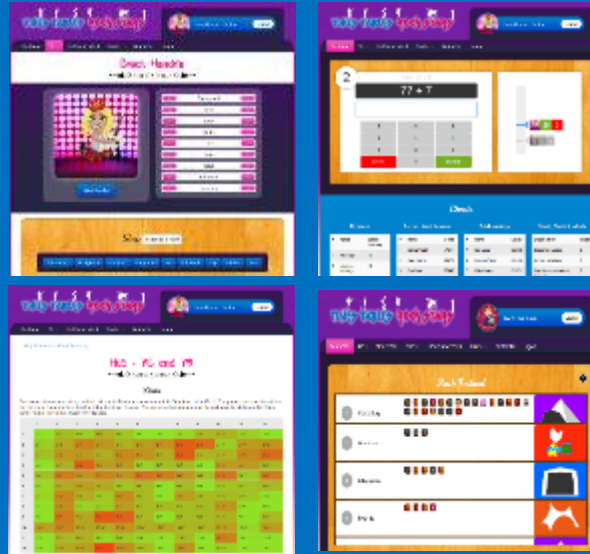


Times Tables
Rock Stars

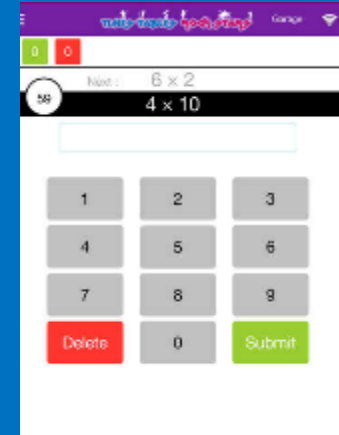
1	2	3	4	5	6	7	8	9	10
1	2	3	4	5	6	7	8	9	10
2	4	6	8	10	12	14	16	18	20
3	6	9	12	15	18	21	24	27	30
4	8	12	16	20	24	28	32	36	40
5	10	15	20	25	30	35	40	45	50
6	12	18	24	30	36	42	48	54	60
7	14	21	28	35	42	49	56	63	70
8	16	24	32	40	48	56	64	72	80
9	18	27	36	45	54	63	72	81	90
10	20	30	40	50	60	70	80	90	100

Times Tables Rock Stars

Paper



Website



App



— **Dr. Robert M. Anderson**,
President, National Association of
Public Health Administrators

Lesson 3

Lesson 4

Lesson 5

Time Tables

Rock Stars

		Time Table						
	1	2	3	4	5	6	7	
1	1	2	3	4	5	6	7	
2	2	1	4	5	6	7	3	
3	3	4	1	6	7	5	2	
4	4	5	6	1	2	3	7	
5	5	6	7	2	1	4	3	
6	6	7	5	3	4	1	2	
7	7	3	2	7	3	2	1	

Time Tables

Rock Stars

		Time Table						
	1	2	3	4	5	6	7	
1	1	2	3	4	5	6	7	
2	2	1	4	5	6	7	3	
3	3	4	1	6	7	5	2	
4	4	5	6	1	2	3	7	
5	5	6	7	2	1	4	3	
6	6	7	5	3	4	1	2	
7	7	3	2	7	3	2	1	

Time Tables

Rock Stars

		Time Table						
	1	2	3	4	5	6	7	
1	1	2	3	4	5	6	7	
2	2	1	4	5	6	7	3	
3	3	4	1	6	7	5	2	
4	4	5	6	1	2	3	7	
5	5	6	7	2	1	4	3	
6	6	7	5	3	4	1	2	
7	7	3	2	7	3	2	1	

Time Tables

Rock Stars

		Time Table						
	1	2	3	4	5	6	7	
1	1	2	3	4	5	6	7	
2	2	1	4	5	6	7	3	
3	3	4	1	6	7	5	2	
4	4	5	6	1	2	3	7	
5	5	6	7	2	1	4	3	
6	6	7	5	3	4	1	2	
7	7	3	2	7	3	2	1	

Time Tables

Rock Stars

		Time Table						
	1	2	3	4	5	6	7	
1	1	2	3	4	5	6	7	
2	2	1	4	5	6	7	3	
3	3	4	1	6	7	5	2	
4	4	5	6	1	2	3	7	
5	5	6	7	2	1	4	3	
6	6	7	5	3	4	1	2	
7	7	3	2	7	3	2	1	

Time Tables

Rock Stars

		Time Table						
	1	2	3	4	5	6	7	
1	1	2	3	4	5	6	7	
2	2	1	4	5	6	7	3	
3	3	4	1	6	7	5	2	
4	4	5	6	1	2	3	7	
5	5	6	7	2	1	4	3	
6	6	7	5	3	4	1	2	
7	7	3	2	7	3	2	1	

Time Tables

Rock Stars

		Time Table						
	1	2	3	4	5	6	7	
1	1	2	3	4	5	6	7	
2	2	1	4	5	6	7	3	
3	3	4	1	6	7	5	2	
4	4	5	6	1	2	3	7	
5	5	6	7	2	1	4	3	
6	6	7	5	3	4	1	2	
7	7	3	2	7	3	2	1	

Time Tables

Rock Stars

		Time Table						
	1	2	3	4	5	6	7	
1	1	2	3	4	5	6	7	
2	2	1	4	5	6	7	3	
3	3	4	1	6	7	5	2	
4	4	5	6	1	2	3	7	
5	5	6	7	2	1	4	3	
6	6	7	5	3	4	1	2	
7	7	3	2	7	3	2	1	

[illegible][illegible][illegible][illegible]

Total Time 3 mins **Total Score** 300



Total Time
Rock speed
(seconds per question)
Total Score



Rock speed



Rock Star

Rock Hero

Lethal Rock Artist

one second

per question



Website



App



How much can you improve?



High Score

