Ideas for learning Multiplication Tables.

Multiplication tables are at the centre of most maths children learn in school up to A Level.

There is no right or wrong way of learning them. But once they are secure, they last forever! Here are just a few ideas to help.

Chant them

Fridge Magnets

Sing them

Clap them

Posters

Real objects in groups

Tables as repeated addition

$1 \times 2 = 2$ 2 more = 4 2 more = 6 etc.

Real objects - Groups of

1×2



2×2



3×2



etc

Doubling

Double 1x = 2 times table

$1 \times 1 = 1$ $1 \times 2 = 2$ $1 \times 3 = 3$

$1 \times 2 = 2$ (×2) $2 \times 2 = 4$ (×2) $3 \times 2 = 6$ (×2)

Double 2x = 4 times table

$1 \times 2 = 2$ $2 \times 2 = 4$ $3 \times 2 = 6$

$1 \times 4 = 4$ (×2) $2 \times 4 = 8$ (×2) $3 \times 4 = 12$ (×2)

Double 4 = 8 times table

Double 3 = 6 times table

Double 6 = 12 times table

Double 5 = 10 times table

Tricks

$8 \times 8 = 64$ 'I ate and I ate and I was sick on the floor!'

5, 6, 7, 8. $56 = 7 \times 8$

	TO
$1 \times 9 = 09 - 9$	
$2 \times 9 = 18 - 9$	
$3 \times 9 = 27 = 9$	
$4 \times 9 = 36 = 9$	
$5 \times 9 = 45 = 9$	
$6 \times 9 = 54 = 9$	
$7 \times 9 = 63 = 9$	
$8 \times 9 = 72 = 9$	
$9 \times 9 = 81 = 9$	
$10 \times 9 = 90 = 9$	
$11 \times 9 = 99 = 18 = 9$	
$12 \times 9 = 108 = 9$	

Tens increase by one each time. Ones decrease by one each time

When you add the digits of multiples of 9 the answer is always 9.

National Curriculum Requirements

Y3 Are expected to know multiplication and division facts relating to 1, 2, 3, 4, 5, 8 and 10 times tables

Y4, Y5, Y6 Are expected to know multiplication and division facts

relating to 1, 2, 3, 4, 5, 6, 7, 8, 9, 10
11 and 12 times tables.

Y4 will sit a statatory multiplication test in June.

Challenge.

Place value times tables.

$0.2 \times 4 =$ $2000 \times 4 =$

$\square = 0.6 \times 0.5$ $36 \div \square = 0.6$ etc

Ask you child to explain the Magic Multiplication Square to you.

Please, please help your child cement their multiplication knowledge at home. A little learning each day.

Start with 1x. easy. win. win!

Double 1x = 2x

Double 2x = 4x

Double 4x = 8

Then 3x

Double 3x = 6

Double 6x = 12

Then 5x

Double 5 = 10x

Then 9x

only 7s and 11s. Infact

only $7 \times 7 = 49$ and $11 \times 7 = 77$

$11 \times 11 = 121$

X	1	2	3	4	5	6	7	8	9	10	11	12
1	1	2	3	4	5	6	7	8	9	10	11	12
2	2	4	6	8	10	12	14	16	18	20	22	24
3	3	6	9	12	15	18	21	24	27	30	33	36
4	4	8	12	16	20	24	28	32	36	40	44	48
5	5	10	15	20	25	30	35	40	45	50	55	60
6	6	12	18	24	30	36	42	48	54	60	66	72
7	7	14	21	28	35	42	49	56	63	70	77	84
8	8	16	24	32	40	48	56	64	72	80	88	96
9	9	18	27	36	45	54	63	72	81	90	99	108
10	10	20	30	40	50	60	70	80	90	100	110	120
11	11	22	33	44	55	66	77	88	99	110	121	132
12	12	24	36	48	60	72	84	96	108	120	132	144

It's MAGIC!