Involving More Parents And Children Together







Good schools with good 'stuff'

= 5% on average

Parents who are involved and informed

30% on average



In this workshop we aim to:

Encourage partnership

Demonstrate

Share tools

Offer tools for use at home

Support

Improve

(4 week programme)

When practising times tables, visual learners benefit greatly from circling the relevant numbers on a number grid.

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

Here is the 7 times table.

Other ways to practise times tables







Addition





- Physical objects leading to written method
- Regrouping required.
- Up to 3 digits numbers.



- Physical objects to support conceptual understanding, leading to written method
- Up to 4 digit numbers
- Decimals to 2 decimal places.
- Add several numbers at the same time.



Encouraging students to see the links between practical model and the formal written method.









Addition



Now try this one, using the **Place Value Counters**; 127 + 25

Addition





- Up to three digits.
- Include exchange.





- Up to 4 digits.
- Money used to introduce decimals.

Year 3: Using **base 10 equipment** to get to the written method.

Year 4: Using place value counters and then written method.











Now try this one, using the **Place Value Counters**; 132 - 51



[°]/¹32 - 51 81



- Recall facts in the 2, 3, 4, 5, 8 and 10 times tables.
- 2 digit times 1 digit calculations. Mental and written methods.





Multiplication



- Recall multiplication and division facts for all multiplication tables up to 12 x 12.
- 2 and 3 digit times 1 digit calculations.
- Mental and written methods.



Mental Multiplication



Now try this one, using the grid method.

27 x 3

Mental Multiplication



Multiplication



Written Multiplication



Now try this one, using either the expanded or compact method 46 x 3

Written Multiplication



X

1

		40	6	120
	3	120	18	+ <u>10</u> <u>138</u>
46 <u>3</u>			16	
18 20		<u>×</u> 13	<u>3</u> 88	
38		1		



2 digit ÷ 1 digit

using place value counters.

Remainders also required.

3 digit ÷ 1 digit

Including exchange and remainders





Now try this one, using the **Place Value Counters**; 96 ÷ 3







Now try this one, using the Place Value Counters;

57 ÷ 4



1 4 r 1 4 5¹7

A common misconception **Division**

2 9 r.2 6 1 2 5 6

Answer: 209 r.2







www.bgfl.org/virtual**di** ce

All of the questions in week one will be on addition.



Ryders Hayes Academy

NC Level	Control Group	Impact Pupils
Raised	41%	77%
Stayed same	42%	23%
Decreased	17%	0%

36% of the Impact pupils made 2 sub-levels progress in 5 weeks in maths.

Evaluation

• Please fill in the evaluation form before you leave.

• We hope you enjoyed the workshop.

• Good luck with your Maths game!

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