Workshop part 2



Step 1: partition 2nd number (25-2 tens (20) and 5 units)

- Step 2: jump the 10's (2 tens)
- Step 3: jump the units (5)

Addition and Subtraction a with number

square

Adding 12

• 54 +12= 66

- Step 1 :Partition the number (one 10, two units) 10 & 2
- Step 2: add on the 10 (down 1)
- Step 3 add on the units (right 2)
- Adding 10 go down 1
- Subtracting 10 up 1
- Adding 1go right 1—
- Subtracting 1 go left 1

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1	z	m	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	76	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

Addition and Subtraction a with number

square

Adding 9 :

25 + 9= 34

Step 1: find 25 on number square
Step 2: simplify the equation (add 10 -1).
To add 10 simple go down one on the number
Grid then then take 1 to make 9 (go left 1 space)

Down 1 left 1

Subtracting 9:

25 -9= 16

Step 1: find 25 on the number grid
Step 2: simplify the equation (take 10 +1)
Step 3: to take ten go up 1 then take 1 by going
Right 1.

Up 1 right 1

1	z	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	76	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

Using a number grid for patterns and multiplication

Colour in the

even numbers to recognize odd and even

- Learn the <u>2, 5 and 10 x table</u>
- <u>number square</u>
- <u>Variations for the number square</u>
- Hiding numbers on a <u>number square</u>

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
	1 11 21 31 51 51 71 31 71	1 2 11 12 21 22 31 32 41 42 51 52 61 62 71 72 31 82 91 92	123111213212223313233414243515253616263717273318283919293	123411121314212222324313223333441422433445152253354516226336471722733743182283384919229394	12345111213141521222324253132333435414243444551525354556162636465717273747581828384859192939495	123456111213141516212223242526313233343536414243444546515253545556516263646566717273747576818283848586919293949596	1234567111213141516172122232425262731323334353637414243444546475152535455565761626364656667717273747576778182838485868791929394959697	12345678111213141516171821222324252627283132333435363738414243444546474851525354555657585162636465666768717273747576777881828384858687889192939495969798	123456789111213141516171819212223242526272829313233343536373839414243444546474849515253545556575859616263646566676869717273747576777879818283848586878889919293949596979899

Multiplication in ks1

- First recognize that multiplication is repeated addition
- No of lots how many per group total

15

- Is the same as 2 lots of 5 or 5 + 5 + 5 = 15
- Use pictorial cues to represent a x sum.
- Encourage them to write the sum:

5

+

5

15

X

5

+

Practical maths

Making maths practical by using real materials. Try some of these at home with your child.

Using coins



using food

Using measuring cups



cooking



How can you help?



Make sure maths is fun!

Top tips for parents and families:

- Be positive about maths. Don't say things like "I can't do maths" or "I hated maths at school"; your child might start to think like that themselves.
- Point out the maths in everyday life. Include your child in activities involving maths such as using money, cooking and travelling.
- Praise your child for effort rather than talent - this shows them that by working hard they can always improve.

<u>Online games</u>

Children love games to engage their learning. Try some of these site links.













Useful websites

http://www.familymathstoolkit.org.uk/