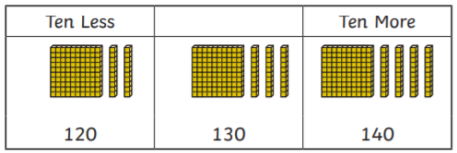
Somerset Bridge Primary School
Aspire - Brave - Care - Collaborate

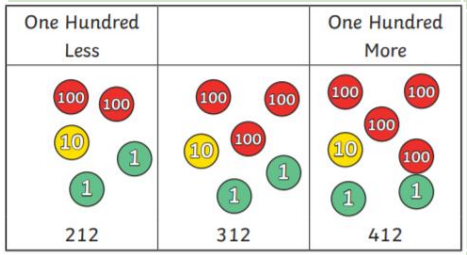
Maths: Place Value
Autumn: Year 3

Number and Place Value ✓

10 More and 10 Less



100 More and 100 Less



Counting in 4's and 8's

0	4	8	12	16	20	24	28	32	36	40

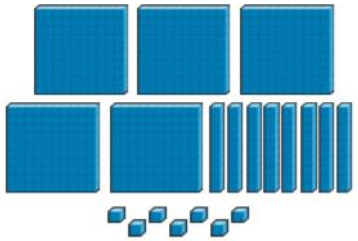
0	8	16	24	32	40	48	56	64	72	80

Represent Numbers to 1000

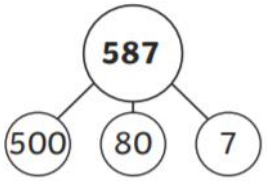
587

five hundred and eighty-seven

Hundreds	Tens	Ones
𝍸	𝍸 | ||	𝍸 ||



500 + 80 + 7



Hundreds	Tens	Ones
100 100 100 100 100	10 10 10 10 10 10 10 10	1 1 1 1 1 1 1

3 Digit Numbers

256

two hundred	fifty	six
200	50	6

Key Vocabulary ✓

Hundreds	A number equal to 10 lots of 10.
Tens	A set of 10 ones.
Ones	A single quantity.
Zero	No quantity.
Greater than	One number value is larger than another number.
Less than	One number value is lesser than the other.
Order	In a pattern.
More	A higher amount.
Less	Not as many.
Partition	A way of splitting numbers into smaller numbers.
Digit	A symbol used to make numbers.

Counting in 50's
Counting in 100's

0	50	100	150	200	250	300	350	400	450	500

0	100	200	300	400	500	600	700	800	900	1000

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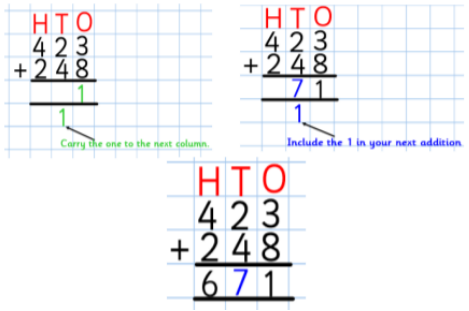
Maths: Addition and Subtraction Autumn: Year 3

Written Methods

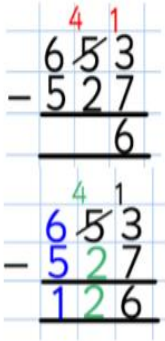
Column addition:

Starting from the right, add each column in turn. Carry digits to the next *column if the total adds to more than 9.*



Column subtraction:

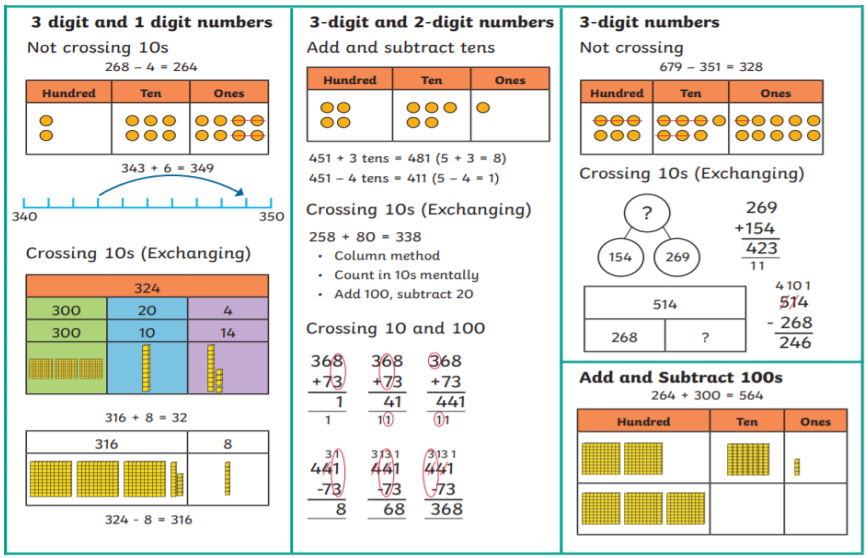
Starting from the right, subtract each column in turn.



3 subtract 7 would give us a negative number, so we re-group.

Exchange one lot of 10, so we now have 13 - 7.

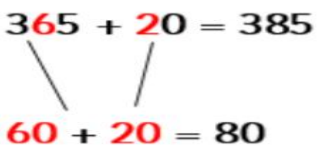
Addition and Subtraction Methods



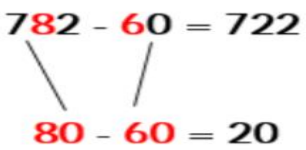
Mental Methods

add and subtract 3 digit numbers by counting on and back in 10's.

The ones digit will never change



"365 ▸ 375, 385"



"782 ▸ 772, 762, 752, 742, 732, 722"

Key Vocabulary

		✓
Addend	A number which is added to another.	
Subtrahend	A number to be subtracted from another.	
Sum	A total amount.	
Difference	The result of subtracting one number from another.	
Inverse operation	The reverse of a calculation. E.g. 5+3=8 5-3=2	
Less	A value that is not as great.	
Minus	Subtraction/take away.	
Column addition	Addition by writing one number below the other and then adding one column at a time.	
Column subtraction	The numbers to be added or subtracted are set out above one another in columns.	

Addition on a Number line.

Subtraction on a Number line.

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Maths: Multiplication and Division Autumn: Year 3

Multiplication Table and Division Facts

3 x Table	4 x Table	8 x Table
1x3 = 3	1x4 = 4	1x8 = 8
2x3 = 6	2x4 = 8	2x8 = 16
3x3 = 9	3x4 = 12	3x8 = 24
4x3 = 12	4x4 = 16	4x8 = 32
5x3 = 15	5x4 = 20	5x8 = 40
6x3 = 18	6x4 = 24	6x8 = 48
7x3 = 21	7x4 = 28	7x8 = 56
8x3 = 24	8x4 = 32	8x8 = 64
9x3 = 27	9x4 = 36	9x8 = 72
10x3 = 30	10x4 = 40	10x8 = 80
11x3 = 33	11x4 = 44	11x8 = 88
12x3 = 36	12x4 = 48	12x8 = 96

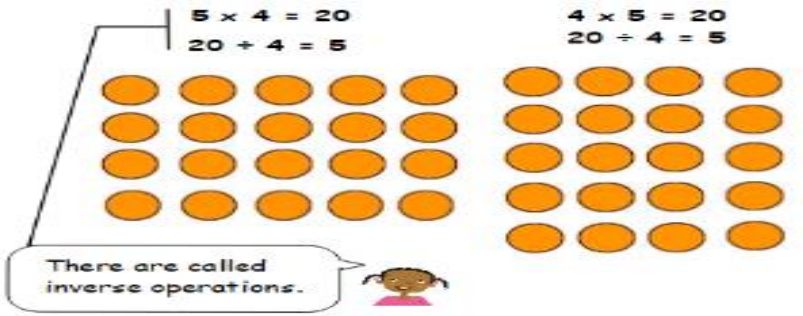
Division Facts

3÷3 = 1	4÷4 = 1	8÷8 = 1
6÷3 = 2	8÷4 = 2	16÷8 = 2
9÷3 = 3	12÷4 = 3	24÷8 = 3
12÷3 = 4	16÷4 = 4	32÷8 = 4
15÷3 = 5	20÷4 = 5	40÷8 = 5
18÷3 = 6	24÷4 = 6	48÷8 = 6
21÷3 = 7	28÷4 = 7	56÷8 = 7
24÷3 = 8	32÷4 = 8	64÷8 = 8
27÷3 = 9	36÷4 = 9	72÷8 = 9
30÷3 = 10	40÷4 = 10	80÷8 = 10
33÷3 = 11	44÷4 = 11	88÷8 = 11
36÷3 = 12	48÷4 = 12	96÷8 = 12

12x12 Multiplication Table

x	0	1	2	3	4	5	6	7	8	9	10	11	12
0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	0	1	2	3	4	5	6	7	8	9	10	11	12
2	0	2	4	6	8	10	12	14	16	18	20	22	24
3	0	3	6	9	12	15	18	21	24	27	30	33	36
4	0	4	8	12	16	20	24	28	32	36	40	44	48
5	0	5	10	15	20	25	30	35	40	45	50	55	60
6	0	6	12	18	24	30	36	42	48	54	60	66	72
7	0	7	14	21	28	35	42	49	56	63	70	77	84
8	0	8	16	24	32	40	48	56	64	72	80	88	96
9	0	9	18	27	36	45	54	63	72	81	90	99	108
10	0	10	20	30	40	50	60	70	80	90	100	110	120
11	0	11	22	33	44	55	66	77	88	99	110	121	132
12	0	12	24	36	48	60	72	84	96	108	120	132	144

Written Multiplication and Division Statements



Key Vocabulary

		✓
Multiplication	When you take one number and add it together a number of times.	
Division	Separating a number into parts.	
Double	Two equal, identical parts.	
Half	An amount equal to half a whole.	
Factor	Factors are what we can multiply to get the number.	
Array	An arrangement of objects in rows or columns.	
Regroup	When you make groups of ten.	
Inverse	The reverse of a calculation. E.g. 5x3=15 15÷3=5	
Even	A number that can be divide by 2 with no remainders. 2, 4, 6, 8, 0	
Odd	A whole number that cannot be divided into two equal whole numbers. 1, 3, 5, 7, 9	
Commutative	Swap the digits around and still get the same answer.