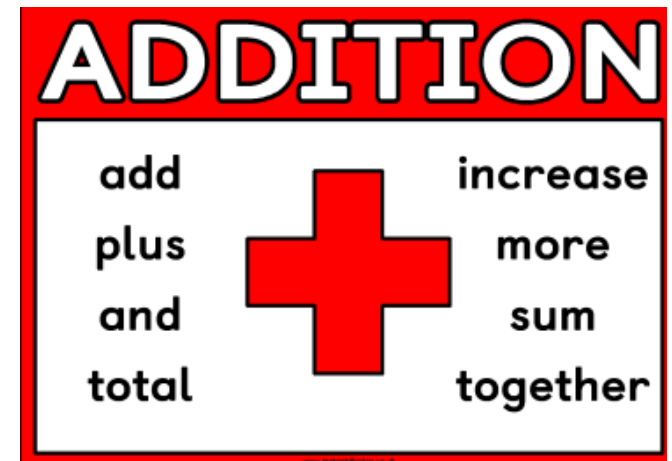
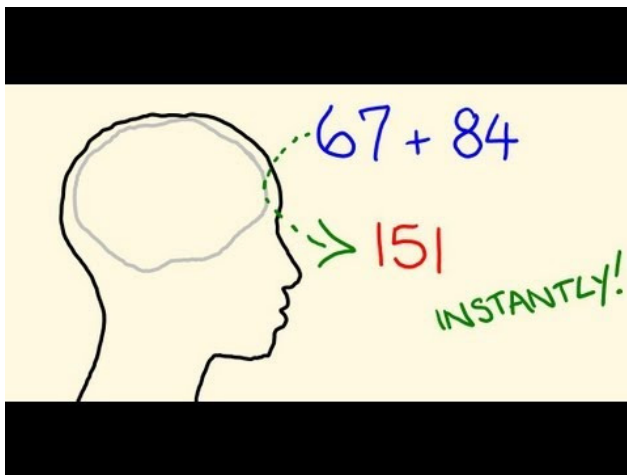
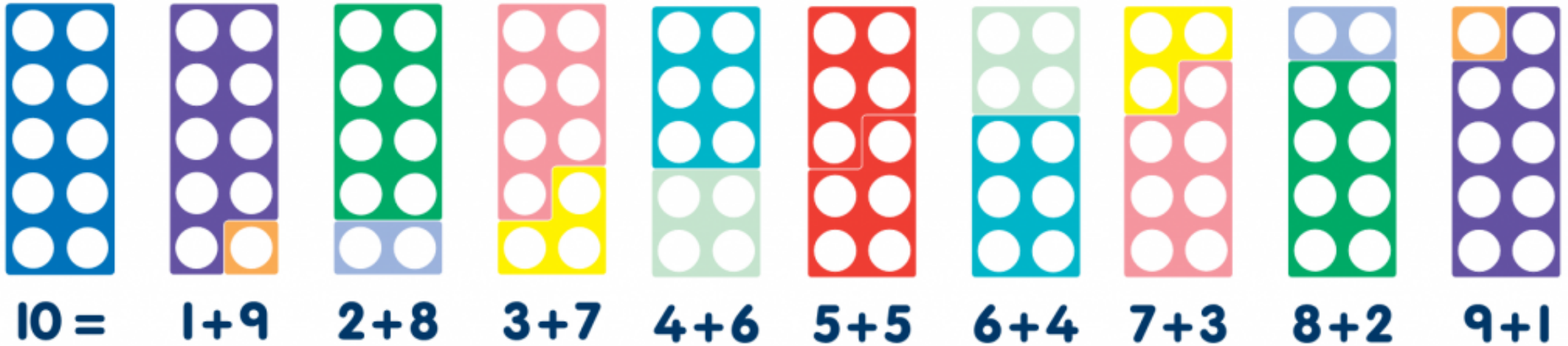


Adding Mentally



Number Bond Knowledge

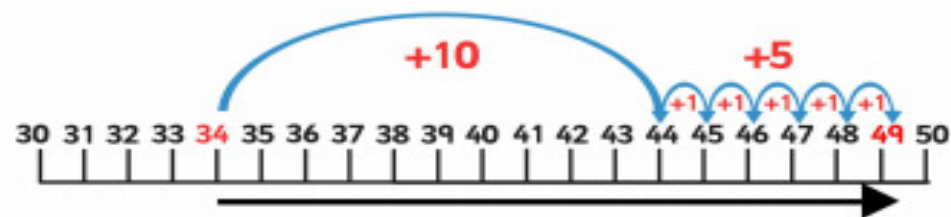


Mental Maths Strategies

Counting On

For adding and subtracting numbers close to each other.
This strategy works well with a number line or square.
You can even do it mentally!

$$34 + 15 =$$



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

Mental Maths Strategies

Near Doubles

For adding similar numbers.

Double one of the numbers and adjust by adding or subtracting the difference.

$$26 + 25 =$$

I know double 25 is 50

$$26 + 25 =$$

1 more than double 25 = 51

Round and Adjust

$$134 + 199 = 333$$

When you have a number in a calculation that is near to a hundred, you can round it to the nearest hundred, then adjust the calculation.

$$134 + 200 = 334$$

(199+1)

We added one to 199 to make it 200. This means we now need to take away the one so that our answer is correct:

$$334 - 1 = 333$$



Partitioning (this means splitting the numbers into its values)

$$32 + 67 =$$

$$30 + 60 = 90$$

$$2 + 7 = 9$$

$$90 + 9 = 99$$

Lets watch a little video of
another method.

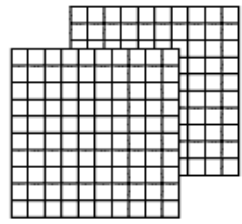
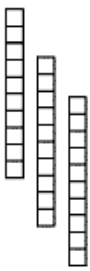

[https://vle.mathswatch.co.u
k/vle/browse/835](https://vle.mathswatch.co.uk/vle/browse/835)

You will find some hundred squares on the tables.

We use dienes sticks to represent hundreds, tens and units. Children can use these to support with counting on.

There are also place value counters. These are used in the same way as dienes sticks.

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

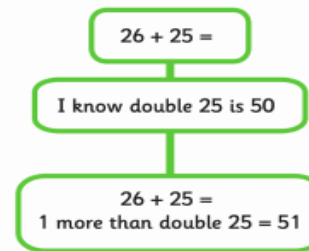
		
Hundreds 2	Tens 3	Ones 3

There are some addition questions on the tables.

Mental Maths Strategies Near Doubles

For adding similar numbers.

Double one of the numbers and adjust by adding or subtracting the difference.



Partitioning (this means splitting the numbers into its values)

$$32 + 67 =$$

$$30 + 60 = 90$$

$$2 + 7 = 9$$

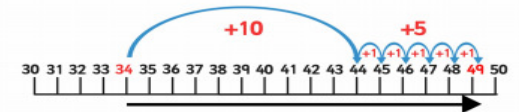
$$90 + 9 = 99$$

Mental Maths Strategies Counting On

For adding and subtracting numbers close to each other. This strategy works well with a number line or square.

You can even do it mentally!

$$34 + 15 =$$



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

$$134 + 199 = 333$$

When you have a number in a calculation that is near to a hundred, you can round it to the nearest hundred, then adjust the calculation.

$$134 + 200 = 334$$

(199+1)

We added one to 199 to make it 200. This means we now need to take away the one so that our answer is correct:

$$334 - 1 = 333$$



What method would you use to work them out?