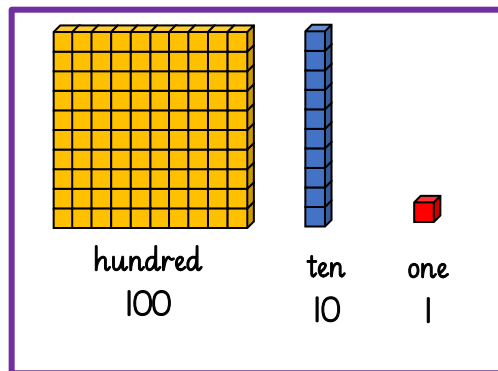


Y2- Number and Place Value

<	>	=
less than	more than	equal to
94	<	90
94	>	100
94	=	90 + 4

T	O
9	4
9	0
	4

ninety-four



T	O
9	4
2	4
4	9

ascending order:

24 49 94

descending order:

94 49 24

T	O
8	5
7	5
6	5
5	5

counting backwards in tens counting forwards in tens

Multiples of 2: 2, 4, 6, 8, 10, 12, 14, 16, 18, 20, 22, 24

Multiples of 3: 3, 6, 9, 12, 15, 18, 21, 24, 27, 30, 33, 36

Multiples of 5: 5, 10, 15, 20, 25, 30, 35, 40, 45, 50, 55, 60

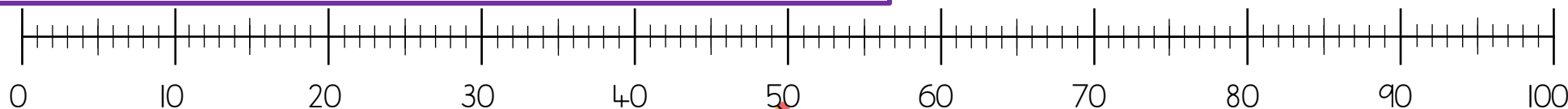
Multiples of 10: 10, 20, 30, 40, 50, 60, 70, 80, 90, 100, 110, 120

1	one	11	eleven	10	ten
2	two	12	twelve	20	twenty
3	three	13	thirteen	30	thirty
4	four	14	fourteen	40	forty
5	five	15	fifteen	50	fifty
6	six	16	sixteen	60	sixty
7	seven	17	seventeen	70	seventy
8	eight	18	eighteen	80	eighty
9	nine	19	nineteen	90	ninety

Numbers between 21-99 need hyphens unless they are multiples of ten:

fifty-three

twenty-two



partitioning

43
40 + 3
30 + 13
20 + 23
10 + 33

related facts to 100

If I know that $3 + 4$ is equal to 7, I also know that $30 + 40$ is equal to 70

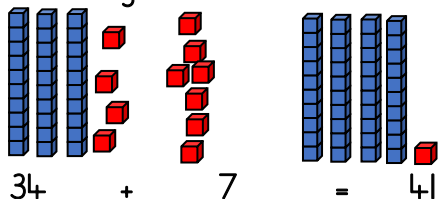
commutativity

Addition can be done in any order

$$3 + 4 = 4 + 3$$

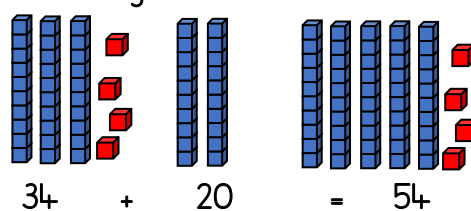
Subtraction **cannot** be done in any order

two-digit number and ones



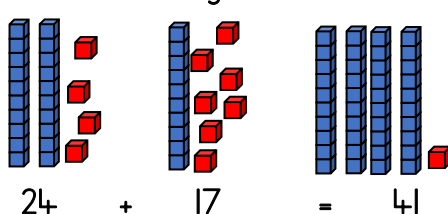
inverse: $41 - 7 = 34$

two-digit number and tens



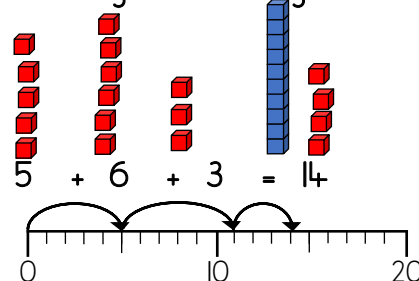
inverse: $54 - 20 = 34$

two two-digit number



inverse: $41 - 17 = 24$

adding three one-digit numbers



inverse and related facts

$3 + 4 = 7$	$30 + 40 = 70$	$300 + 400 = 700$
$4 + 3 = 7$	$40 + 30 = 70$	$400 + 300 = 700$
$7 - 3 = 4$	$70 - 30 = 40$	$700 - 300 = 400$
$7 - 4 = 3$	$70 - 40 = 30$	$700 - 400 = 300$

number bonds within 20

2	3
0 + 2 1 + 1	0 + 3 1 + 2
4	5
0 + 4 1 + 3 2 + 2	0 + 5 1 + 4 2 + 3
6	7
0 + 6 1 + 5 2 + 4 3 + 3	0 + 7 1 + 6 2 + 5 3 + 4
8	9
0 + 8 1 + 7 2 + 6 3 + 5 4 + 4	0 + 9 1 + 8 2 + 7 3 + 6 4 + 5
10	11
0 + 10 1 + 9 2 + 8 3 + 7 4 + 6 5 + 5	0 + 11 1 + 10 2 + 9 3 + 8 4 + 7 5 + 6

12	13	14
0 + 12 1 + 11 2 + 10 3 + 9 4 + 8 5 + 7 6 + 6	0 + 13 1 + 12 2 + 11 3 + 10 4 + 9 5 + 8 6 + 7	0 + 14 1 + 13 2 + 12 3 + 11 4 + 10 5 + 9 6 + 8 7 + 7
15	16	17
0 + 15 1 + 14 2 + 13 3 + 12 4 + 11 5 + 10 6 + 9 7 + 8	0 + 16 1 + 15 2 + 14 3 + 13 4 + 12 5 + 11 6 + 10 7 + 9	0 + 17 1 + 16 2 + 15 3 + 14 4 + 13 5 + 12 6 + 11 7 + 10 8 + 9
18	19	20
0 + 18 1 + 17 2 + 16 3 + 15 4 + 14 5 + 13 6 + 12 7 + 11 8 + 10 9 + 9	0 + 19 1 + 18 2 + 17 3 + 16 4 + 15 5 + 14 6 + 13 7 + 12 8 + 11 9 + 10	0 + 20 1 + 19 2 + 18 3 + 17 4 + 16 5 + 15 6 + 14 7 + 13 8 + 12 9 + 11 10 + 10