River View Primary and Nursery School

'Together, We Make Our Community Richer'

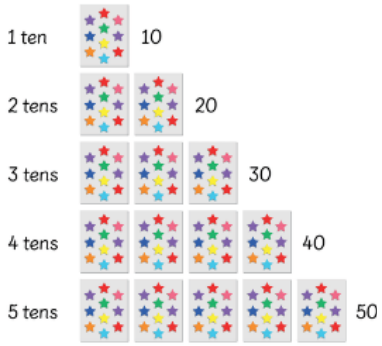
YEAR 2

CALCULATION POLICY

Year 2

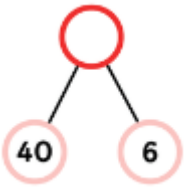
Place Value

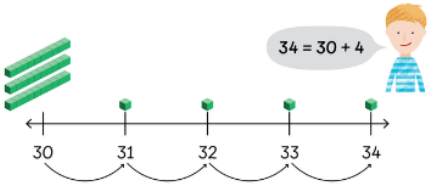
Counting in tens to 100:

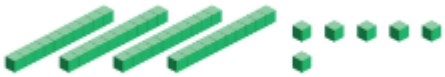


Counting in tens and ones:

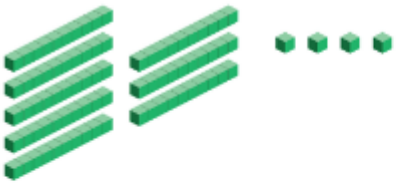
Different ways to represent the numbers:





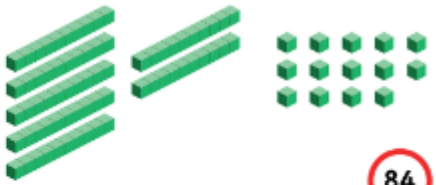


Making numbers using different number bonds:



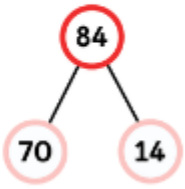
tens	ones
8	4

84 = 80 + 4



tens	ones
7	14

84 = 70 + 14

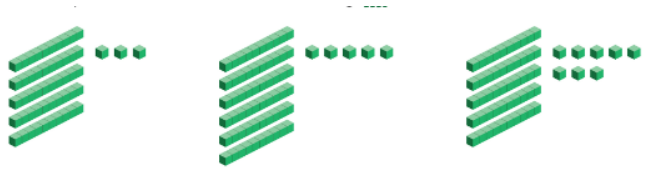


There are 84 envelopes on the counter altogether.

Year 2

Place Value

Comparing numbers:

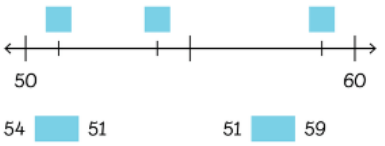


65 > 58

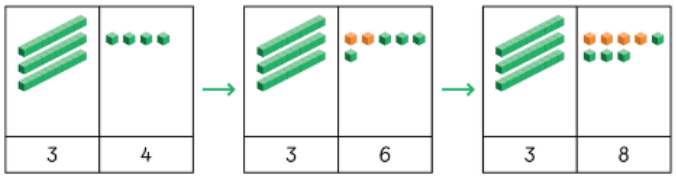
tens	ones
5	3

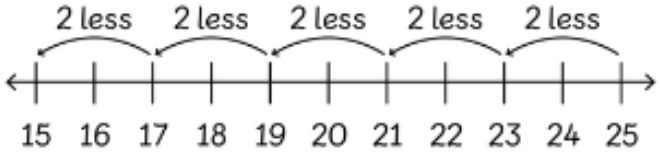
65, 58, 53

greatest → smallest

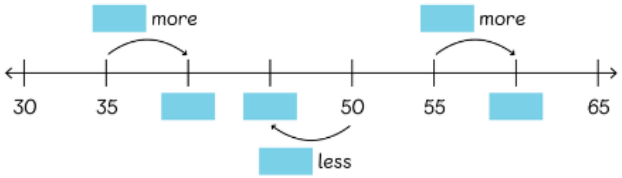


Extending number patterns:





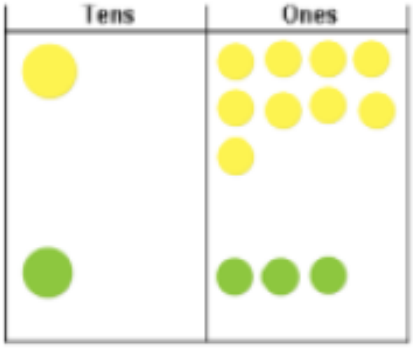
Finding missing numbers in patterns:



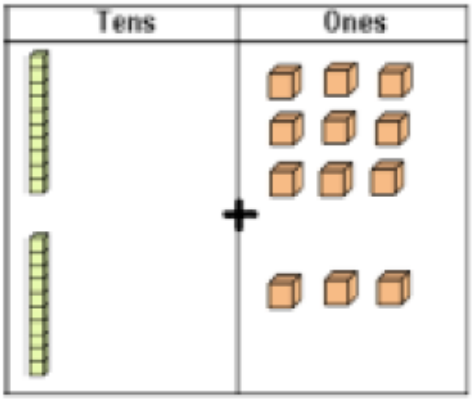
Year 2

Addition

Counters Method:



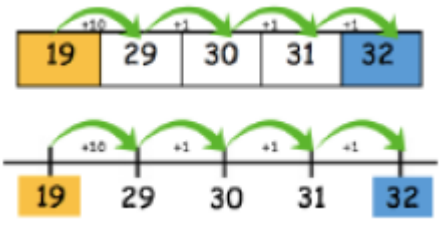
Base 10 Method:



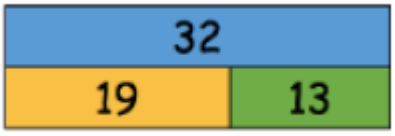
Number bond diagram:

Number bond method:

Number Line Method:



Bar Model:



Year 2

Addition

Column Addition:

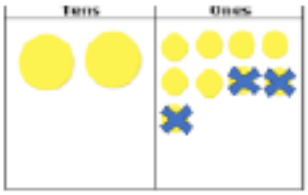
Abstract calculations:

Commutative	Inverse
19 + 13 = 32	32 - 13 = 19
13 + 19 = 32	32 - 19 = 13

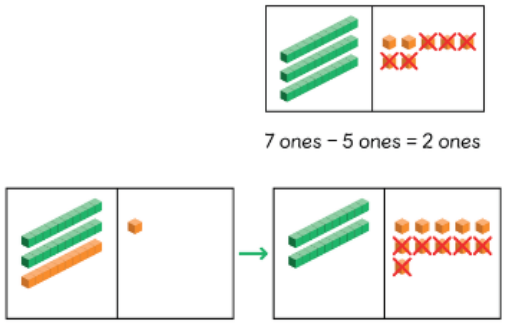
Year 2

Subtraction

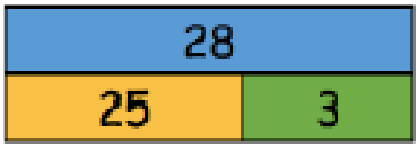
Counters method:



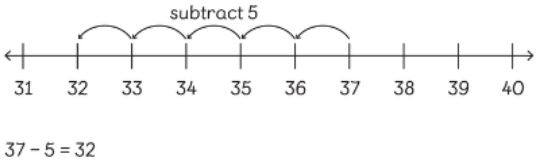
Base 10 method:



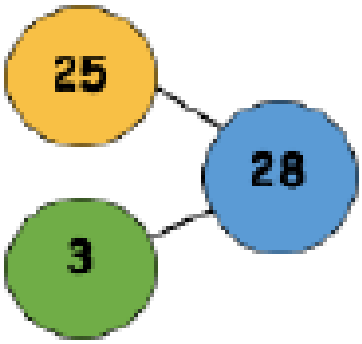
Bar model:



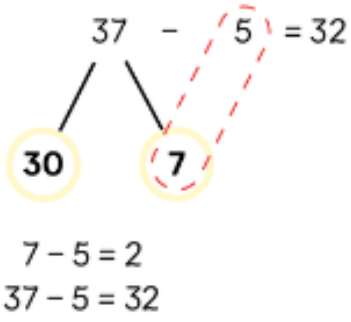
Number line method:



Number bond diagram:



Number bond diagram:



Year 2

Subtraction

Column subtraction::

	tens	ones
	3	7
−		5
	3	2

	tens	ones
	~~2~~ 1	~~1~~ 11
−		6
	2	5

Abstract calculations:

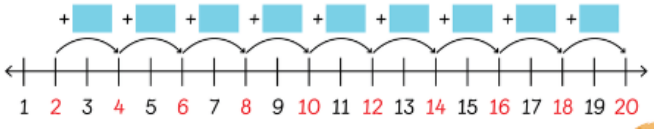
Commutative	Inverse
25 + 3 = 28	28 − 3 = 25
3 + 25 = 28	28 − 25 = 3

Year 2

Multiplication

Repeated addition:

Number line method:



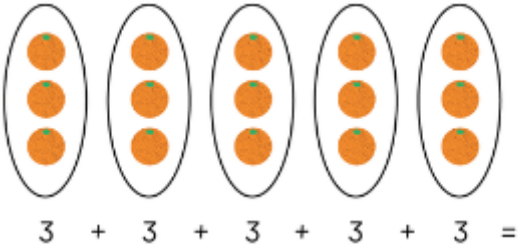
Groups of:

Multiplication:

(b) $4 \times 5 =$ ☐

(d) $6 \times 5 =$ ☐

Grouping method:



Abstract calculations:

$10 \times 2 = 20$	$20 \div 2 = 10$
$2 \times 10 = 20$	$20 \div 10 = 2$

Year 2

Division

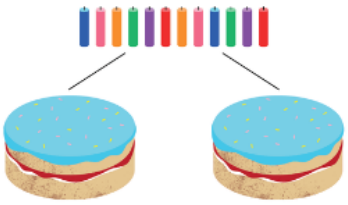
Make a family of multiplication and division facts:

$4 \times 5 = 20$ $\quad$ $20 \div 5 =$ ☐

$5 \times 4 = 20$ $\quad$ $20 \div 4 =$ ☐

Solving problems:

A baker has 12 candles.
She puts an equal number of candles on 2 cakes.
How many candles are on each cake?



☐ ÷ ☐ = ☐

The baker puts ☐ candles on each cake.

Lulu's aunt sews 60 buttons onto some jackets.
She sews 10 buttons onto each jacket.
How many jackets did she sew buttons onto?

☐ ÷ ☐ = ☐

She sewed buttons onto ☐ jackets.