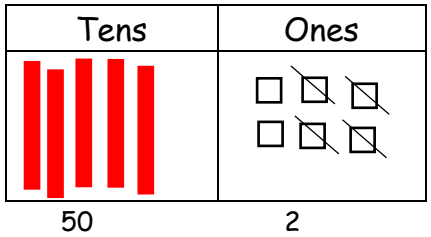
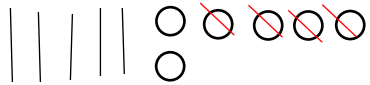
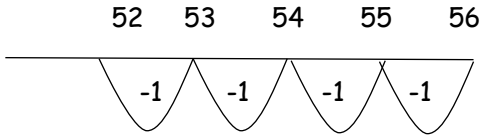
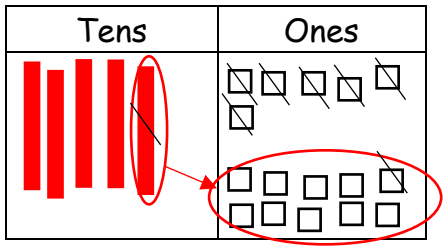
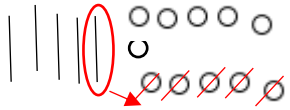
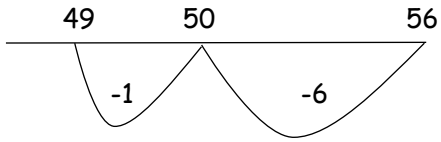
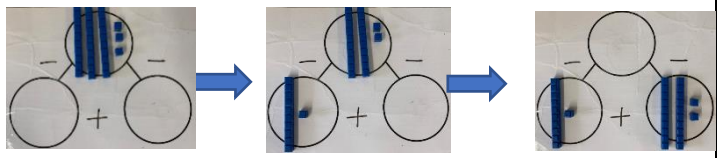
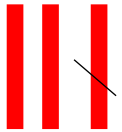
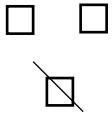
YEAR 2	Subtraction	
Vocabulary: Subtraction, subtract, minus, whole, part, count back, left, missing part, equals, same as, number family, number sentence, calculation, number, numeral, digit (one-digit, two-digit), odd, even, pattern, tens, ones, jottings, inverse (see previous year groups)		
Concrete	Pictorial	Abstract
Children need to be secure in number bonds to 10 and 20. See Year 1 subtraction policy.		
Subtracting 2 digit numbers and multiples of 1 and 10 **No exchanging (diennes)** 56 – 4 = 52  Leading onto a 2-digit number subtracting tens (56 – 30)	**Subtracting 2 digit numbers and multiples of 1 and 10** **No exchanging** T O **Jottings** 56 – 4 = 52  **Number line**  Leading onto a 2-digit number subtracting tens (56 – 30)	**Subtracting 2 digit numbers and multiples of 1 and 10** Written **No exchanging** Subtracting ones Tens Ones 5 6 4 5 2 Subtracting tens Tens Ones 5 6 3 0 2 6 This written method is only shown alongside the pictorial representation.
Exchanging (diennes) 56 – 7 = 49  One ten = ten ones	**Exchanging (diennes)** **Jottings** 56 – 7 = 49  **Number line**  Start with counting back in ones then to the ten.	No written method for exchanging.

Subtract two 2-digit numbers:

No exchanging (diennes)

33 – 11 = 22



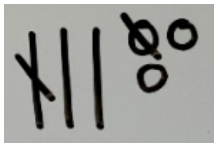
Tens	Ones
	

Subtract two 2-digit numbers:

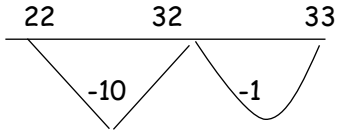
No exchanging

Jottings

33 – 11 = 22



Number line (counting back)



Subtract two 2-digit numbers:

No exchanging

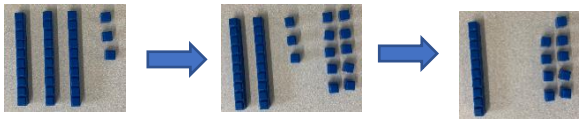
Tens	Ones
3	3
1	1
2	2

This written method is only shown alongside the pictorial representation.

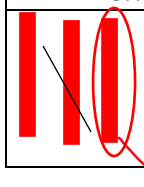
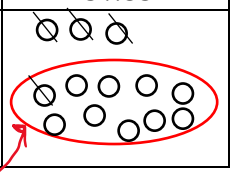
Subtract two 2-digit numbers:

Exchanging

33 – 14 = 19



Exchange 1 ten for 10 ones.

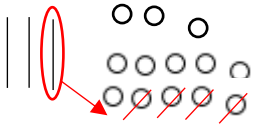
Tens	Ones
	

Subtract two 2-digit numbers:

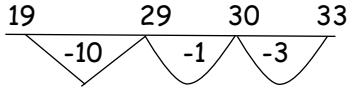
Exchanging

33 – 14 = 19

Jottings

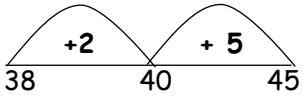


Number line (Counting back)



Number line (Counting on – finding the difference)

45 – 38 = **7**



Subtract two 2-digit numbers:

No written method for exchanging.

Mental Methods

Number/fact families:
Using knowledge of inverse:
If 23 + 31 = 54
Then 54 – 23 = 31

Counting on/up:
(for small differences between numbers)
34 – 28 = 6
28 + **2** = 30
30 + **4** = 34
2 + 4 = 6

Counting back:
56 – 17 = 39
56 – **10** = 46
46 – **6** = 40
40 – **1** = 39

Equivalent differences:
56 – 39 is the same as 57 – 40 = 17

Partitioning:
45 - 23
40 - 20 = **20;** 5 - 3 = **2; 20 + 2 = 22**

Adjusting:
36 - 9 **+1 to both sides to give:**
37 – 10 = 27
45 - 19 **+1 to both sides to give:**
46 – 20 = 26

Using known facts and place value:
68 - 5
If **8 - 5 = 3** then **68 - 5 = 63**
70 - 30
If **7 – 3 = 4** then **70 – 30 = 40**

Inverse/missing number:
41 + ___ = 56
___ + 13 = 47