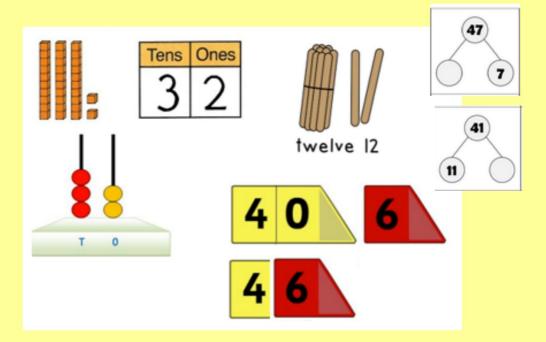
#### Working at Year 2 expectations

#### The pupil can:

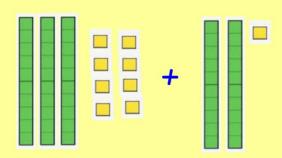
- Partition any two-digit numbers into different combinations of tens and ones, explaining their thinking verbally, in pictures or using apparatus
- Add and subtract any 2 two digit numbers using an efficient strategy, explaining their method verbally, in pictures or using apparatus (e.g. 48+35; 72-17)
- Read the time on a clock to the nearest 15 minutes
- Recall all number bonds to and within 10 and use these to reason with and calculate bonds to and within 20, recognising their associated additive relationships
- Name and describe properties of 2-D and 3-D shapes, including number of sides, vertices, edges, faces and lines of symmetry.
- Recall multiplication and division facts for 2,5,10, to solve simple problems, demonstrating understanding of commutativity as necessary
- Identify 1/3, ¼, ½, 2/4, ¾ of a number or shape, and know that all parts must be equal parts of a whole
- Use different coins to make the same amount
- Read scales in divisions of 1s, 2s, 5s and 10s

### Place Value



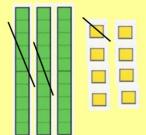
tens, ones, digits, partitioning

### Addition



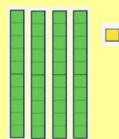
dienes!

### Subtraction



dienes!

# Subtraction (crossing the tens)



#### Addition and subtraction word problems Ben has 63 beads.

Ben has 90p.

He buys 2 tickets.

**Ticket** 35p

Each ticket costs 35p.

How much money does Ben have left?





biscuits 20p each

cakes 25p each

Sam buys 3 biscuits and 1 cake.

How much does Sam spend altogether?

He gives 37 beads away.

How many beads does Ben have left?

beads

Ajay's plant was 11 centimetres tall.

It grows **7** centimetres taller.

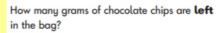
How tall is the plant now?



There are 100g of chocolate chips in the bag.

Sita uses 25g.

Ben uses 35g.





## Missing number sentences



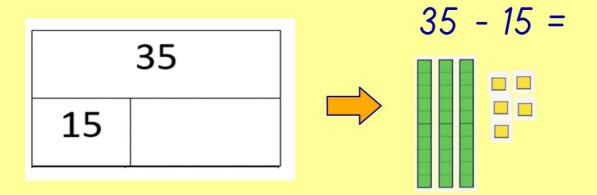
Bar model

$$6 + 2 = 8$$

$$8 - 6 = 2$$

$$8 - 2 = 6$$

## Missing number sentences



### **Expanded Method**

	Н	Τ	0	
		6	7	-
+		5	6	
7 + 6 =		1	3	`
7 + 6 = 60 + 50 =	1	1	3 0	'

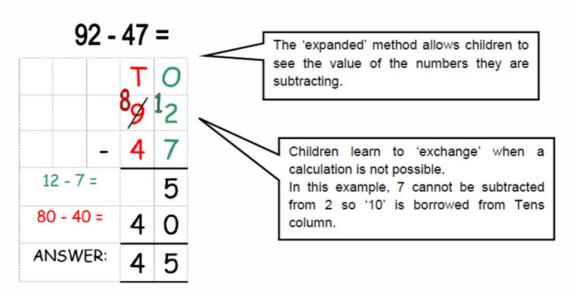
The 'expanded' method allows children to see the value of the numbers they are adding.

In this example, children see that the digits in the 'tens' column represent 60 and 50.

Children are taught to add the 'ones' first as this prepares them for 'carrying' when they move to the contracted method.

This is only introduced towards the end of Year 2!





Children find this really tricky!
It is introduced at the end of Year 2.