

# Year 2 Addition and Subtraction

### Prior Knowledge (from Y1)

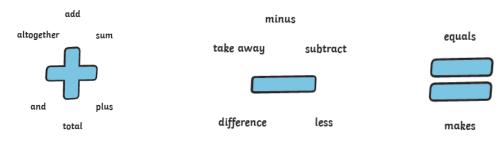
- Read, write and interpret mathematical statements involving addition (+), subtraction (-) and equals (=) signs
- Represent and use number bonds and related subtraction facts within 20
- Add and subtract one-digit and two-digit numbers to 20, including 0
- Solve one-step problems that involve addition and subtraction, using concrete objects and pictorial representations, and missing number problems such as 7 = ? 9

	addition and subtraction	Working Towards	Within	Expected	Above
+-	Solve problems with addition and subtraction using concrete objects and pictorial representations, including those involving numbers, quantities and measures	Towards			
	Solve problems with addition and subtraction applying increasing knowledge of mental and written methods				
	Add and subtract numbers using concrete objects, pictorial representations, and mentally, including: -a two-digit number and 1s -a two-digit number and 10s -2 two-digit numbers -adding 3 one-digit numbers				
	Show that addition of 2 numbers can be done in any order (commutative) and subtraction of one number from another cannot				
	Recognise and use the inverse relationship between addition and subtraction and use this to check calculations and solve missing number problems				
Highlights: _					_



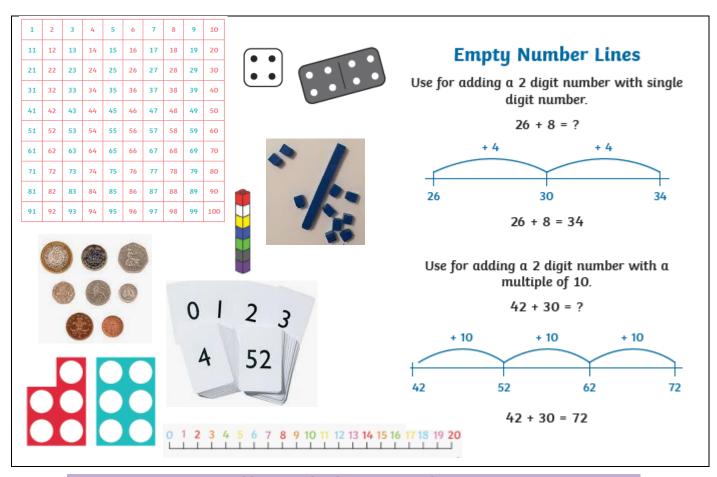
# Glossary

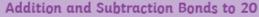
vocabulary	word class	definition	
addition +	noun	the process of calculating the total of two or more numbers or amounts	
add +	verb	put together (two or more numbers or amounts) to calculate their total value	
subtraction -	noun	the process of taking a matrix, vector, or other quantity away from another under specific rules to obtain the difference	
subtract -	verb	take away (a number or amount) from another to calculate the difference	
equal (to) =	adjective	being the same in quantity, size, degree, or value	
commutative	adjective	involving the condition that a group of quantities connected by operators gives the same result whatever the order of the quantities involved, e.g. $a \times b = b \times a$	
inverse	noun	a reciprocal quantity, mathematical expression, geometric figure, etc. which is the result of inversion	
calculation	noun	a mathematical determination of the amount or number of something	

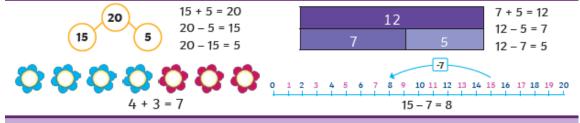




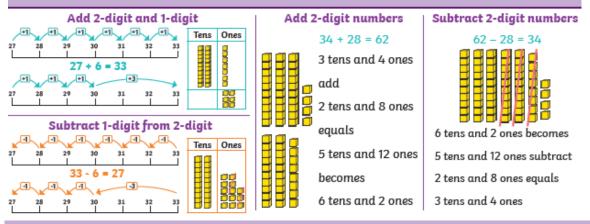
### Resources



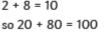




#### Methods



### Addition and Subtraction Bonds to 100

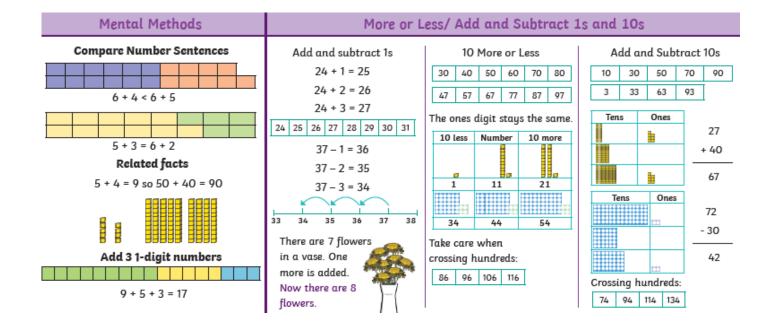








= 9 tens and 10 ones = 10 tens =one hundred





## **Future Learning**

#### Year 3

- Add and subtract numbers mentally, including:
- a three-digit number and 1s
- a three-digit number and 10s
- a three-digit number and 100s
- Add and subtract numbers with up to 3 digits, using formal written methods of columnar addition and subtraction
- Estimate the answer to a calculation and use inverse operations to check answers
- Solve problems, including missing number problems, using number facts, place value, and more complex addition and subtraction

#### Year 6

Solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why