

Addition and subtraction progression map 2024

Reception

How many now?

Build numbers beyond 10 (10-13)

Continue patterns beyond 10 (10-13)

Build numbers beyond 10 (14-20)

Continue patterns beyond 10 (14-20)

Verbal counting beyond 20

Verbal counting patterns

Year 1

Addition & subtraction within 10

Introduce parts and wholes	Addition – add more
Part-whole model	Addition problems
Write number sentences	Find a part
Fact families – addition facts	Subtraction – find a part
Number bonds within 10	Fact families – the eight facts
Systematic number bonds within 10	Subtraction – take away/cross out (How many left?)
Number bonds to 10	Take away (How many left?)
Addition – add together	Subtraction on a number line
	Add or subtract 1 or 2

Addition & subtraction within 20

Add by counting on within 20	Related facts
Add ones using number bonds	Missing number problems
Find and make number bonds to 20	
Doubles	
Near doubles	
Subtract ones using number bonds	
Subtraction – counting back	
Subtraction – finding the difference	

Year 2

Bonds to 10	Add across a 10	Subtract two 2-digit numbers (not across a 10)
Fact families - addition and subtraction bonds within 20	Subtract across 10	Subtract two 2-digit numbers (across a 10)
Related facts	Subtract from a 10	Mixed addition and subtraction
Bonds to 100 (tens)	Subtract a 1-digit number from a 2-digit number (across a 10)	Compare number sentences
Add and subtract 1s	10 more, 10 less	Missing number problems
Add by making 10	Add and subtract 10s	
Add three 1-digit numbers	Add two 2-digit numbers (not across a 10)	
Add to the next 10	Add two 2-digit numbers (across a 10)	

Year 3

Apply number bonds within 10

Add and subtract 1s

Add and subtract 10s

Add and subtract 100s

Spot the pattern

Add 1s across a 10

Add 10s across a 100

Subtract 1s across a 10

Subtract 10s across a 100

Make connections

Add two numbers (no exchange)

Subtract two numbers (no exchange)

Add two numbers (across a 10)

Add two numbers (across a 100)

Subtract two numbers (across a 10)

Subtract two numbers (across a 100)

Add 2-digit and 3-digit numbers

Subtract a 2-digit number from a 3-digit number

Complements to 100

Estimate answers

Inverse operations

Make decisions

Year 4

Add and subtract 1s, 10s, 100s and 1,000s

Estimate answers

Add up to two 4-digit numbers – no exchange

Checking strategies

Add two 4-digit numbers – one exchange

Add two 4-digit numbers – more than one exchange

Subtract two 4-digit numbers – no exchange

Subtract two 4-digit numbers – one exchange

Subtract two 4-digit numbers – more than one exchange

Efficient subtraction

Year 5

Mental strategies

Add whole numbers with more than four digits

Subtract whole numbers with more than four digits

Round to check answers

Inverse operations (addition and subtraction)

Multi-step addition and subtraction problems

Compare calculations

Find missing numbers

Year 6

Add and subtract integers