

Addition & Subtraction curriculum road map



Recall, Represent, Use: A2, Sp1
Read, write & interpret mathematical statements involving addition (+), subtraction (-) and equals (=) signs
Represent and use number bonds and related subtraction facts within 20

Solve Problems: A2, Sp1
Solve on-step problems that involve addition and subtraction, using concrete and pictorial representations and missing number problems such as $7 = \square - 9$

Solve Problems: A2
Solve problems with addition & subtraction:

- Using concrete objects & pictorial representations, including those involving numbers, quantities and measures
- Applying their increasing knowledge of mental & written methods

Recall, Represent, Use: A2
Recall & use addition & subtraction facts to 20 fluently, and derive and use related facts up to 100
Show that addition of two 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 & use this to check calculations and solve missing number problems

Y1

Calculations: A2, Sp1
Add and subtract one-digit and two-digit numbers to 20, including zero

Solve Problems: A2
Solve problems including missing number problems, using number facts, place value, and more complex addition and subtraction

Y2

Calculations: A2
Add and subtract numbers using concrete objects, pictorial representations and mentally, including:

- A two-digit number & ones
- A two-digit number & tens
- Two two-digit numbers
- Adding three one-digit numbers

Calculations: A2
Add & subtract numbers with up to 4 digits using the formal written methods of columnar addition & subtraction where appropriate

Y3

Calculations: A2
Add and subtract numbers mentally, including:

- A three-digit number & ones
- A three-digit number & tens
- A three-digit number & hundreds

Add and subtract numbers with up to three digits, using formal written methods of columnar addition and subtraction

Recall, Represent, Use: A2
Estimate the answer to a calculation & use inverse operations to check answers

Recall, Represent, Use: A2
Estimate and use inverse operations to check answers to a calculation

Recall, Represent, Use: A2
Use rounding to check answers to calculations and determine, in the context of a problem, levels of accuracy.

inverse

 opposite

Y4

Solve Problems: A2
Solve addition & subtraction two-step problems in contexts, deciding which operations and methods to use and why

Y5

Solve Problems: A2
Solve addition & subtraction multi-step problems in contexts, deciding which operations and methods to use and why
Solve problems involving addition & subtraction, multiplication & division and a combination of these, including understanding the meaning of the equals sign

Calculations: A2
Add & subtract whole numbers with more than 4 digits, including using formal written methods
Add & subtract numbers mentally with increasingly large numbers

Y6

Calculations: A2
Perform mental calculations, including with mixed operations and large numbers
Use their knowledge of the order of operations to carry out calculations involving the four operations

Solve Problems: A2
Solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why.