# Be fluent - estimate, round and adjust and check

Look at the value of the numbers – Can I calculate mentally or do I need a written method?

3689 + 4998 3689 + 5000

3682 – 2996 3686 – 3000 Adjust both numbers to simplify the calculation

Estimate 25,034 - 7,185 is approx. 25,000 - 7,000

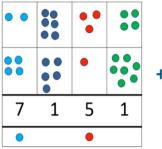
Check answers in different ways check 8.3 + 1.9 by adding in a different order

8.3 + 2 - 0.1 or

8.3 + 0.7 + 1.2

### Written methods for addition

Once pupils are secure with using the expanded method to add numbers, they will focus on the compact method using larger numbers and decimal numbers also.



2634 +4517 7151

#### Multi-step problems

I am thinking of a number. I double it and then subtract 6. My answer is 8. What was my number? Year 5 Addition and Subtraction

#### Real life Problems

Katie was given this calculation 47326 – 1900 = How can she solve it mentally?

Subtraction with

decimals —align

decimal points

7 <del>5</del> . <sup>1</sup> 4 8 . 6

66 8

6 <sup>1</sup>4

# Understand the inverse relationship between addition and subtraction.

Addition is commutative (order doesn't matter) but subtraction is not commutative

Know complements to 1

$$0.78 + = 1$$
  $1 - 0.52 =$ 

Recall pairs of three-digit numbers with a total of 1000

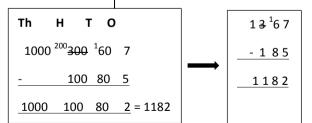
and derive associated subtraction facts

Continue to solve missing number problems

$$6.5 + = 10.7 = 8.4 + 3.7$$
  
 $7.3 + 2.9 = 9.9 + 5.2 < -0.9$ 

### Written methods for subtraction

Once pupils are secure with using the expanded method to subtract, they will focus on the compact method using larger numbers and decimal numbers also.



## Use the correct vocabulary

partition, recombine, calculate, plus, add total, increase, sum, altogether, how much

### Investigate

What do you notice about the differences between consecutive square numbers?

Always, sometimes, never true
The difference between a number and its
reverse will be a multiple of 9.