

'I WILL SHINE'

# Addition and subtraction 1

## Prior learning

Let's activate my long-term memory!  
In Y2, I learnt to...

- solve addition and subtraction problems using objects and pictures
- use my knowledge of mental and written methods to solve problems
- remember my number bonds to 20 and work out and use number facts to 100
- show that I can add numbers in any order (commutative) but I cannot subtract in any order
- know that adding and subtracting are the inverse of each other and use this to check my answers and solve missing number problems

## Key vocabulary

What words will I use in this unit?  
Have I heard any before?  
add total more sum altogether  
subtract take away less fewer  
find the difference commutative  
estimate inverse

## Tools and drawings

Which tools and drawing might I use to support my learning?

Place value charts counters

## Current learning

In this unit, I will learn how to...

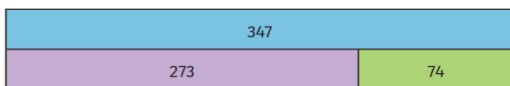
- add and subtract numbers mentally including...
- a three-digit number and ones
- a three-digit number and tens
- a three-digit number and hundreds
  
- add and subtract numbers with up to 3 digits using a written method
  
- estimate the answer and check using the inverse
  
- solve problems including missing number problems

## Knowledge Organiser

$$\begin{array}{r} 368 \\ +73 \\ \hline 1 \\ \hline 1 \end{array} \quad \begin{array}{r} 368 \\ +73 \\ \hline 41 \\ \hline 11 \end{array} \quad \begin{array}{r} 368 \\ +73 \\ \hline 441 \\ \hline 11 \end{array}$$

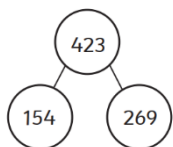
$$\begin{array}{r} 31 \\ 441 \\ -73 \\ \hline 8 \end{array} \quad \begin{array}{r} 3131 \\ 441 \\ -73 \\ \hline 68 \end{array} \quad \begin{array}{r} 3131 \\ 441 \\ -73 \\ \hline 368 \end{array}$$

## Check Answers



$347 - 74 = 273$  can be checked using  
 $273 + 74 = 347$

This part whole shows the inverse calculations using these three numbers.



## Estimate

Estimate by dividing the hundred into 250 and 225.  
Estimate 10s (330, 340) between 325 and 350.



Estimate  $167 - 89$   
Use near numbers  $170 - 90 = 80$