Year 3 Addition and Subtraction Knowledge

+ add	total	+ plus	$\frac{2}{+3}{5}$ sum
more	altogether	3 10 7 difference	− subtract
less	− minus	3-1-2= take away	3x2+5= calculation
column addition	column subtraction	exchange	estimate
inverse operation	solve problems	3x2= number facts	H T U 3 5 4 place value

addition +

- add
- more
- plus
- make
- sum
- total
- altogether

How many more to make...?

How many more is... than...?

How much more is...?

subtraction −

- subtract
- minus
- leave
- less
- take away
- difference between

How many are left over?

How much less is... than...?

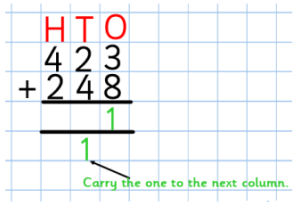
How many fewer is...?

WRITTEN METHOD

Key learning: add two 3-digit numbers with exchange

Column addition:

Starting from the right, add each column in turn. Carry digits to the next column if the total adds to more than 9.

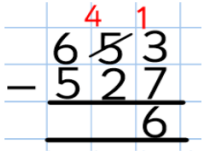


WRITTEN METHOD

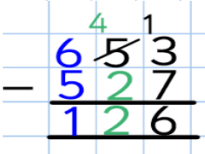
Key learning: subtract two 3-digit numbers with exchange

Column subtraction:

Starting from the right, subtract each column in turn.



3 subtract 7 would give us a negative number, so we re-group.



Exchange one lot of 10, so we now have 13 - 7.

We can estimate answers using **near numbers**.

E.g. 167-89

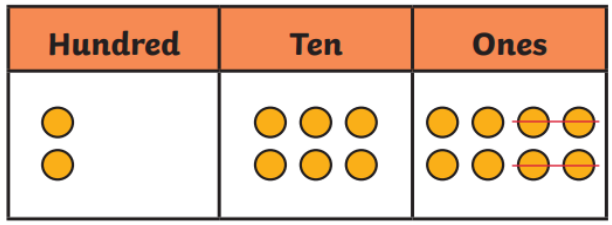
170 – 90 = 80

Near numbers:

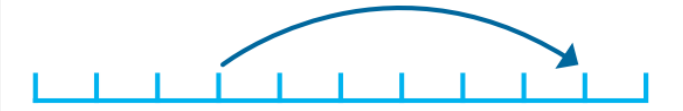
413	279	521	782
↓	↓	↓	↓
400	300	500	800

Pictorial Methods

268 – 4 = 264



343 + 6 = 349

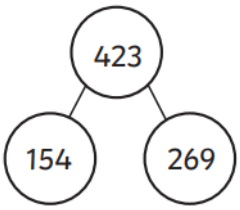


Checking Strategies

347 – 74 = 273 can be checked using

273 + 74 = 347

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



154 + 269 = 423	269 + 154 = 423
423 – 154 = 269	423 – 269 = 154