



Knowledge Organiser



Number

Year 3

Addition and Subtraction

In Year 3, we begin to add and subtract 3-digit numbers. As the numbers get larger, it is sometimes easier and quicker for us to use a written method to help solve calculations. We call these methods column addition and subtraction. Being able to add and subtract is very important as we will use these skills when using money.

Builds from Year 2:

Add and subtract 2-digit numbers.
Add three 1-digit numbers.

This year:

Column addition and subtraction with numbers up to 3 digits.
Use the inverse operation.

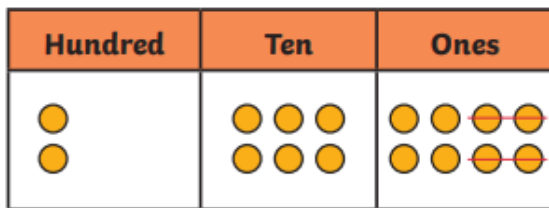
Leads to Year 4:

Add and subtract with numbers up to 4 digits.
Use the inverse to check.
Solve 2-step problems involving addition and subtraction.

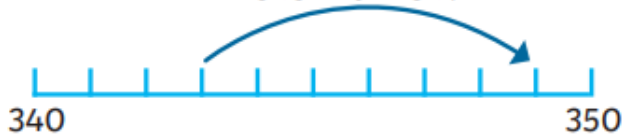
Addition and Subtraction Methods

No crossing

$$268 - 4 = 264$$



$$343 + 6 = 349$$



$$\begin{array}{r} 223 \\ + 114 \\ \hline 337 \end{array}$$

Crossing 10s and 100 (exchanging)

$$\begin{array}{r} 368 \\ + 73 \\ \hline 1 \\ \hline 1 \end{array}$$

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

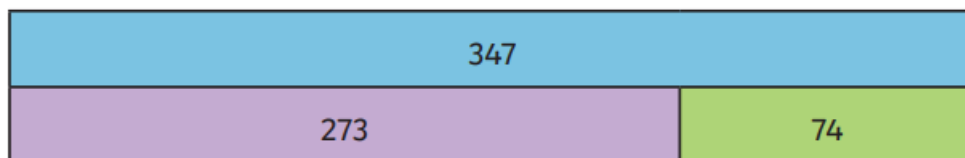
$$\begin{array}{r} 368 \\ + 73 \\ \hline 441 \\ \hline 11 \end{array}$$

$$\begin{array}{r} 31 \\ 441 \\ - 73 \\ \hline 8 \end{array}$$

$$\begin{array}{r} 3131 \\ 441 \\ - 73 \\ \hline 68 \end{array}$$

$$\begin{array}{r} 3131 \\ 441 \\ - 73 \\ \hline 368 \end{array}$$

Checking Answers



$347 - 74 = 273$ can be checked using the **inverse** operation
 $273 + 74 = 347$

Key Vocabulary

column addition column subtraction add total make plus sum more altogether subtract less minus difference take away inverse operation exchange place value