

Four Operations: Addition and Subtraction Knowledge Organiser

Key Vocabulary

Add	Join 2 or more numbers together.
More	Adding together digits
Plus	Adding together digits
Total	The answer when numbers are added together.
Altogether	The answer when numbers are added together
Sum	The total of 2 or more numbers added together.
Less than	Taking one or more number away from another.
Subtract	Taking one of more numbers away from another.
Difference between	The gap in between two numbers, calculated by subtracting.
Minus	Taking one or more numbers away from another.
Inverse	The opposite operation. The opposite to addition is subtraction.

Key Information

- 1 You must align all the numbers correctly under the correct place value columns when using formal methods.
- 2 If a column adds up to more than 9, exchange into the next column on your left.
- 3 If you cannot subtract in a column because the digit on the top is smaller than the one on the bottom, exchange/borrow from the column to the left.
- 4 Use the inverse to check answers.

Prior Knowledge

EYFS	Count back to find a number.
Y1	Read, write and interpret mathematical symbols such as + - =
Y2	Adding and subtraction 2 2 digit numbers using representations.
Y2	Adding 3 1 digit numbers.
Y3	Know how to add and subtract 3 digit numbers by aligning numbers into a formal column method.
Y4	The inverse is the opposite operation and this can be used to check calculations.
Y5	Rounding numbers can be used to check calculations as this ensures that estimations can be made.

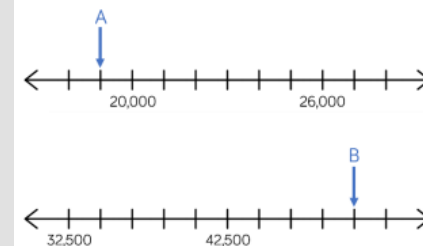
Worked Examples

$$\begin{array}{r}
 42150 \\
 + 15367 \\
 \hline
 57517
 \end{array}$$

1

$$\begin{array}{r}
 56810163 \\
 - 1245072 \\
 \hline
 4445191
 \end{array}$$

Find the difference between A and B.



A = 19,000

B = 50,500

The difference is 31,500