

Addition & Subtraction Column Method

$$\begin{array}{r} 45864 \\ +23497 \\ \hline 69361 \\ \hline 111 \end{array}$$

Starting with the ones, add each column in turn. Regroup tens, hundreds, thousands, ten thousands and/or as required.

$$\begin{array}{r} 6\ 13\ 1 \\ 35742 \\ - 3476 \\ \hline 32266 \end{array}$$

Starting with the ones, subtract each column in turn. Exchange tens, hundreds, thousands and/or ten thousands as required.

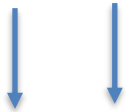
Vocabulary

add	To bring two or more numbers (or things) together to make a new total.
sum	The result of adding two or more numbers.
difference	The result of subtracting one number from another. E.g. the difference between 8 and 5 is 3.
subtract	To take one number away from another.
column addition/subtraction	Addition/subtraction by writing one number below the other and then adding/subtracting one column at a time
estimate	To find a value that is close enough to the right answer.
inverse operations	The operation that reverses the effect of another operation.
addend	A number that is added to a number.
minuend	A number from which a another is subtracted.
subtrahend	A number subtracted from another.
exchange	Change a number or expression for another of an equal value.

Estimate

Rounding to Estimate:

$$31,958 + 6,103 =$$



$$31,000 + 6,000$$

$$31,000 + 6,000 = 37,000$$

Inverse Operations

Use the inverse to check:

53 476	
32 732	20 744

$$\text{To check } 53\ 476 - 32\ 732 = 20\ 744$$

$$\text{use } 32\ 732 + 20\ 744 = 53\ 476$$

Multistep Problems

£20			£20 is used to buy 2 books costing
£3.75	£8.49	?	£3.75 and £8.49.
£12.24			£7.76 How much change is given?

£3.75 + £8.49 = £12.24
£20.00 - £12.24 = £7.76

$$8 + 9 = 17$$

addend + addend = sum

$$17 - 9 = 8$$

minuend - subtrahend = difference