

Calculation Policy

Addition & Subtraction

Addition

Key Vocabulary

Addend - A number to be added to another.

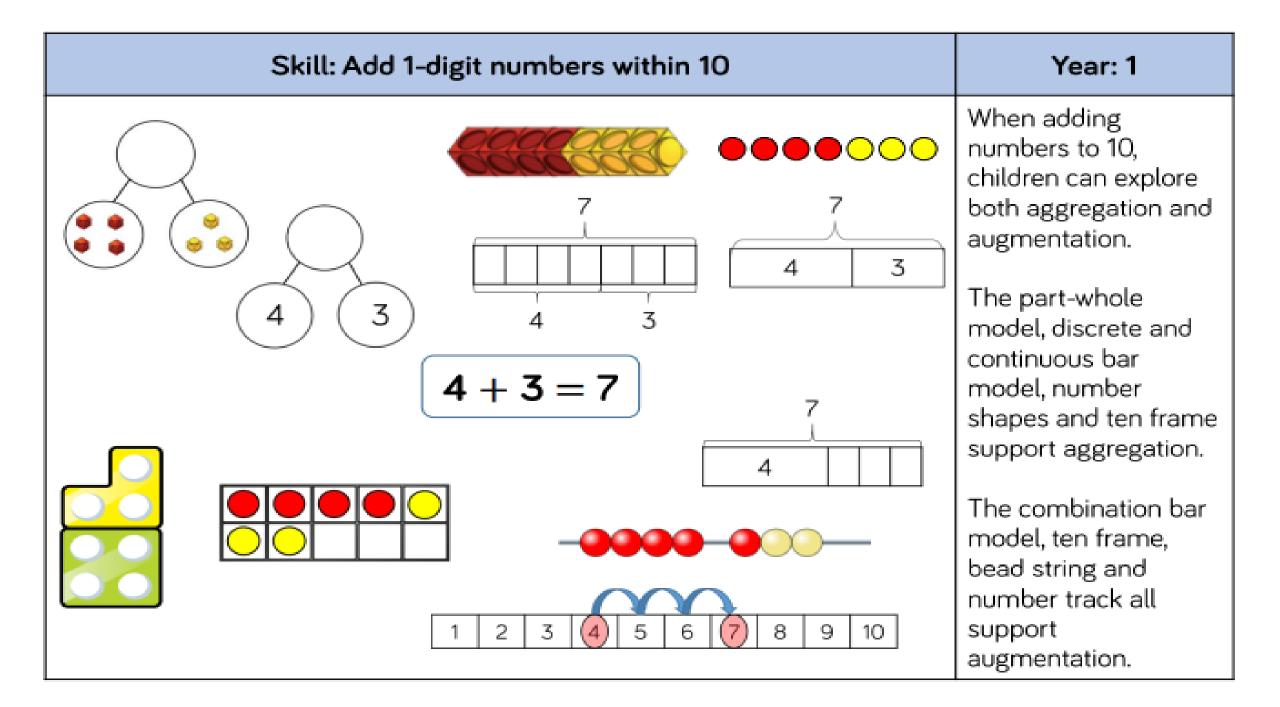
Aggregation - combining two or more quantities or measures to find a total.

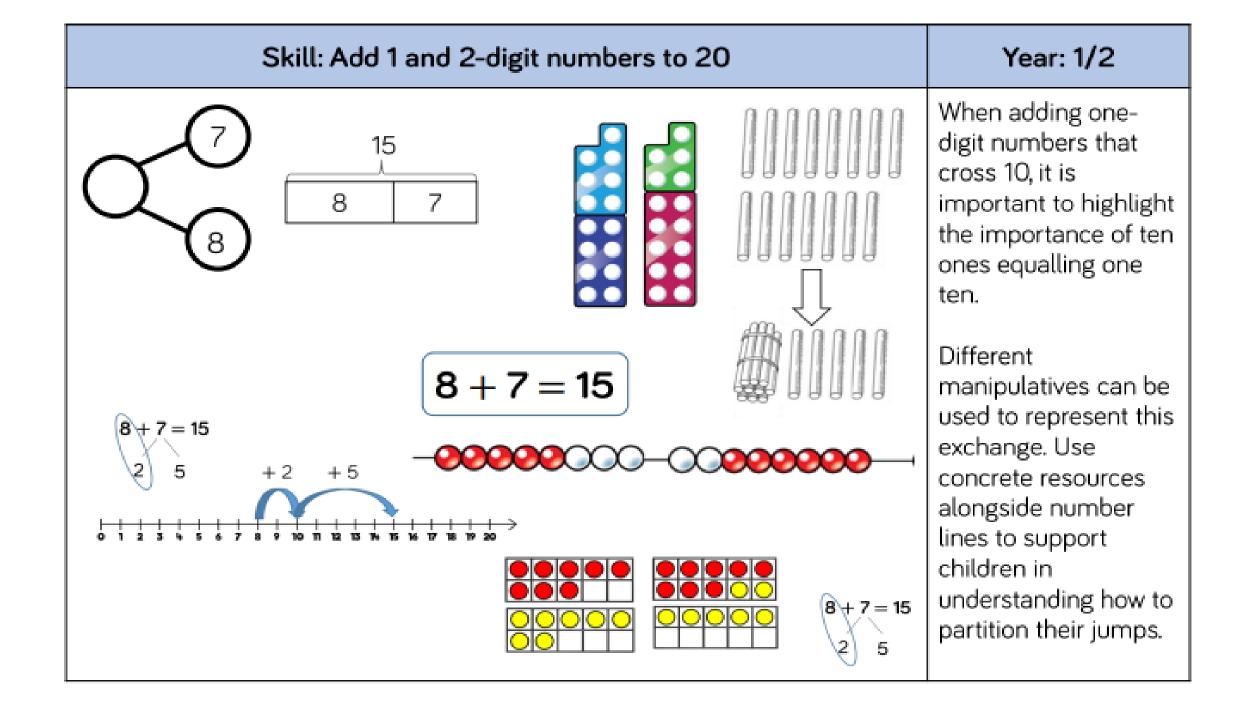
Augmentation - increasing a quantity or measure by another quantity.

Commutative - numbers can be added in any order.

Complement – in addition, a number and its complement make a total e.g. 300 is the complement to 700 to make 1,000

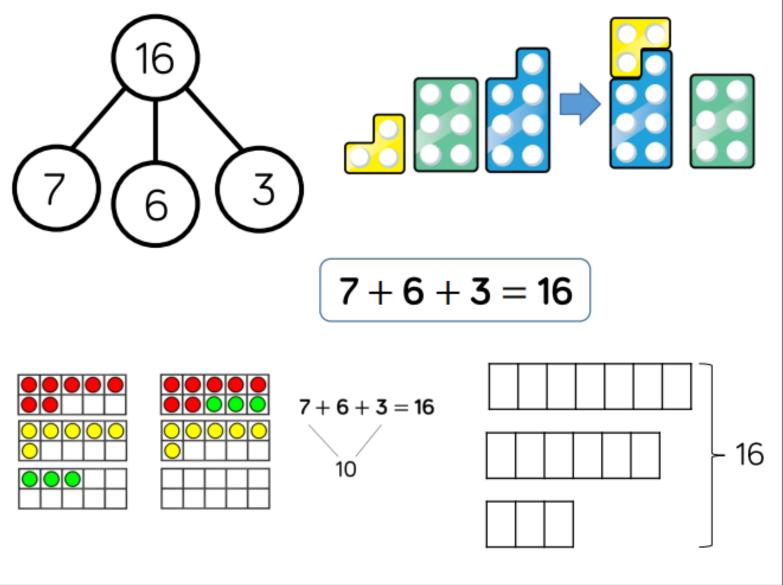
Regroup – A new group is formed of tens and ones





Skill: Add three 1-digit numbers

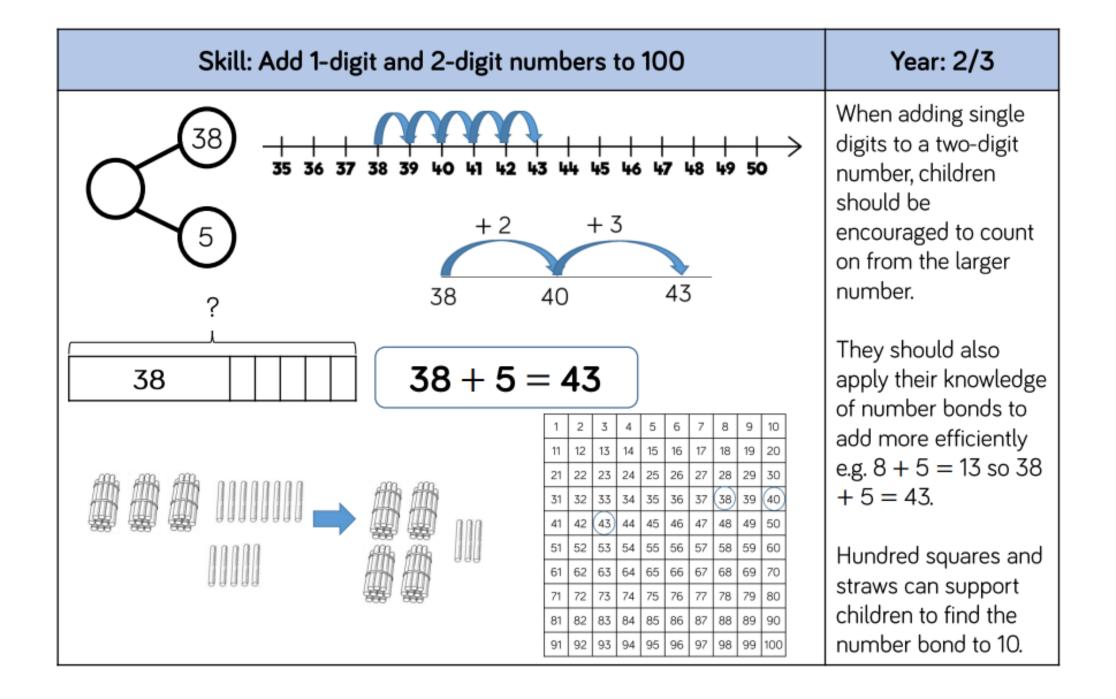
Year: 2

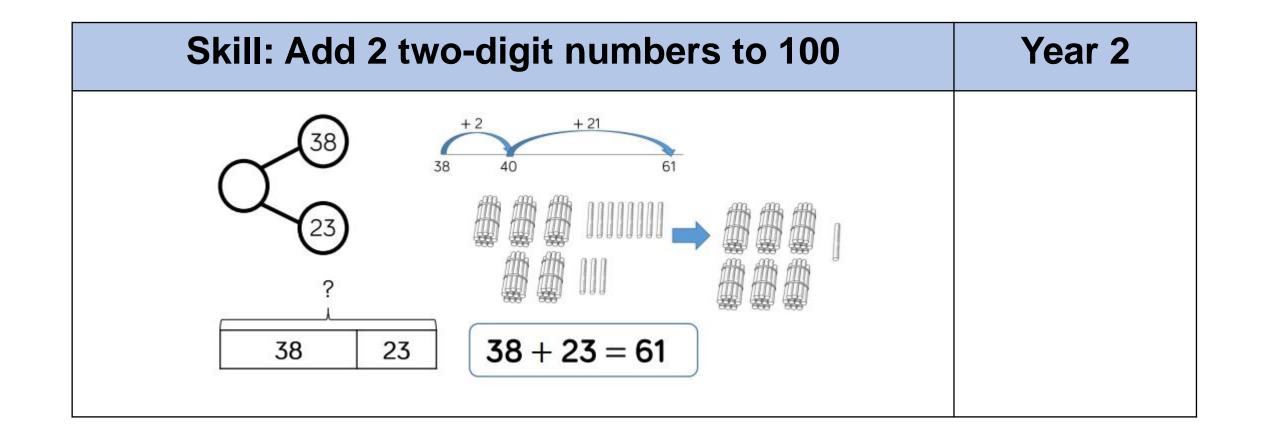


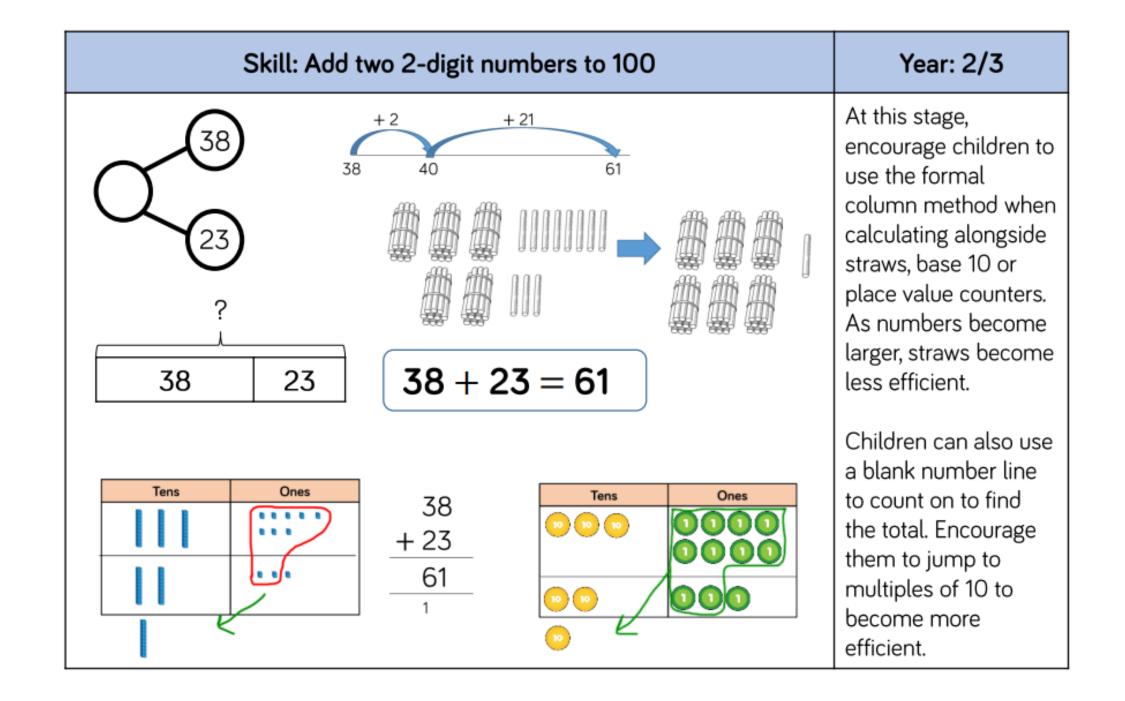
When adding three 1digit numbers, children should be encouraged to look for number bonds to 10 or doubles to add the numbers more efficiently.

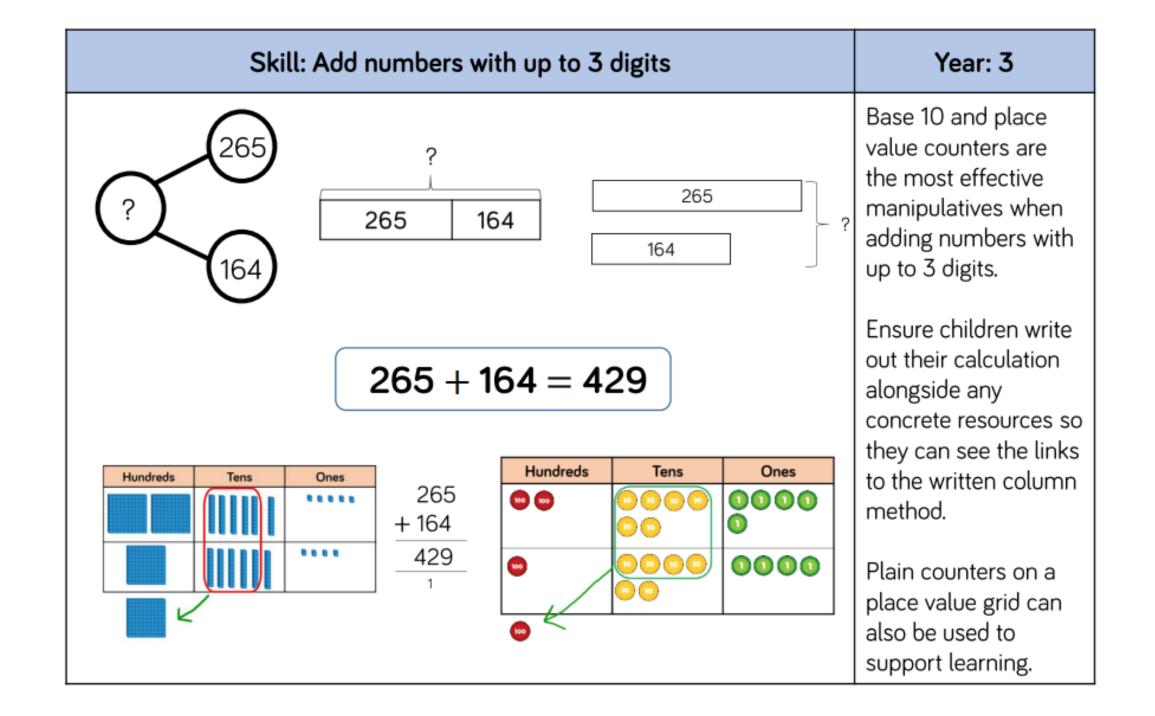
This supports children in their understanding of commutativity.

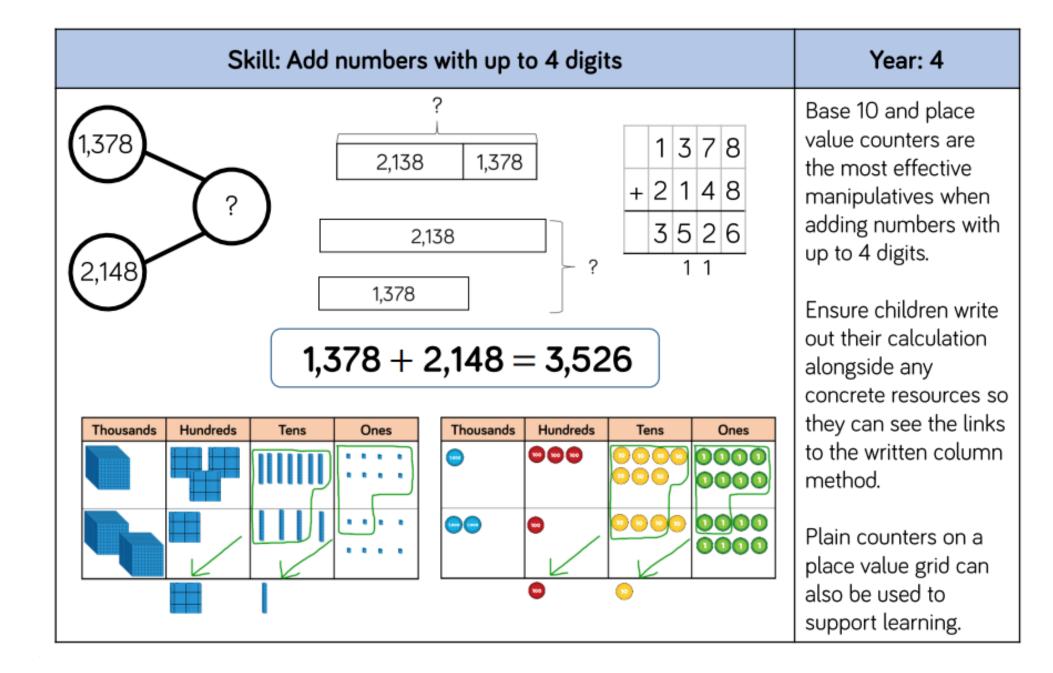
Manipulatives that highlight number bonds to 10 are effective when adding three 1-digit numbers.

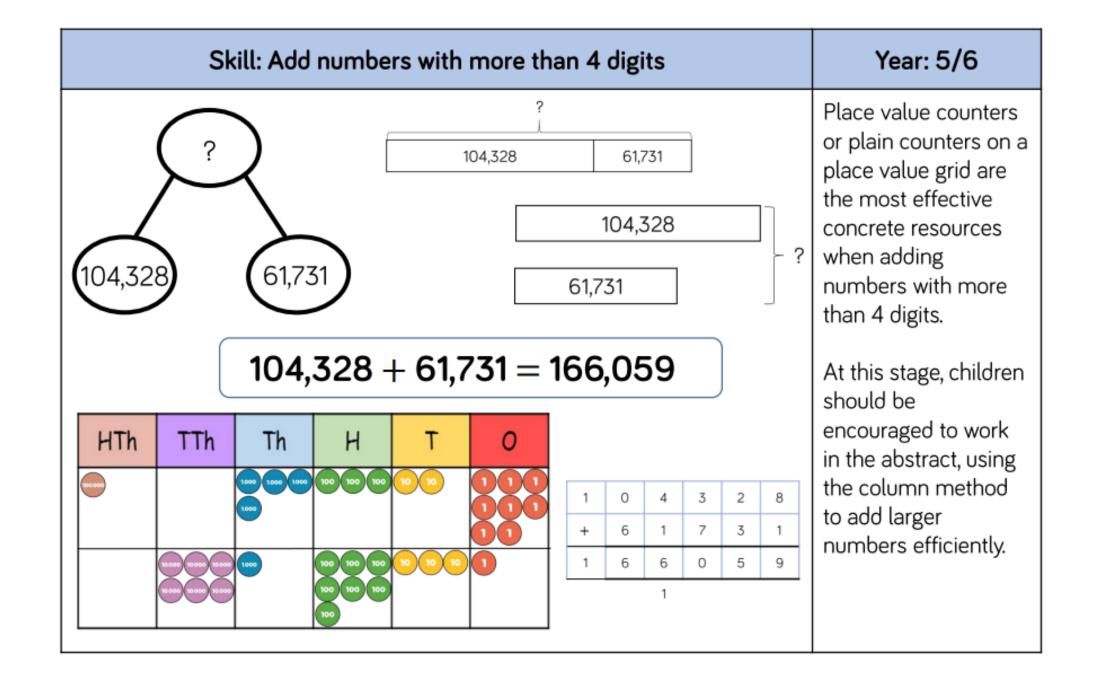


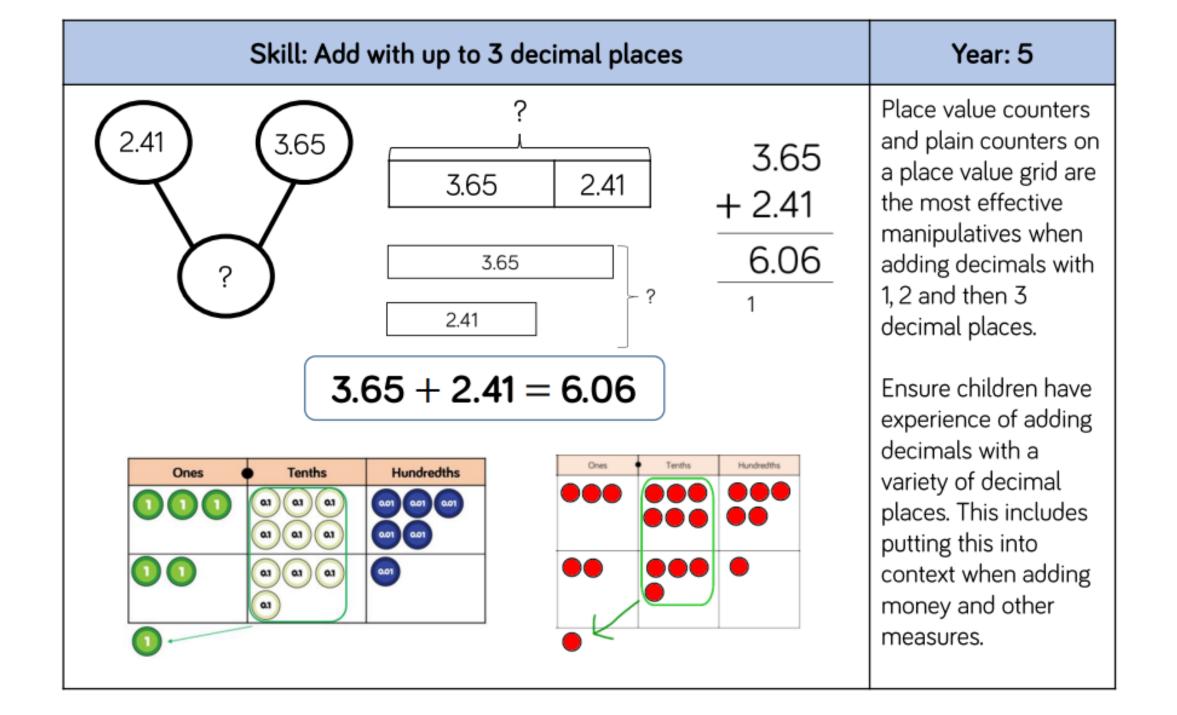












Subtraction

Key Vocabulary

Difference – the numerical difference between two numbers is found by comparing the quantity in each group.

Exchange – Change a number or expression for another of an equal value.

Minuend – A quantity or number from which another is subtracted.

Partitioning – Splitting a number into its component parts.

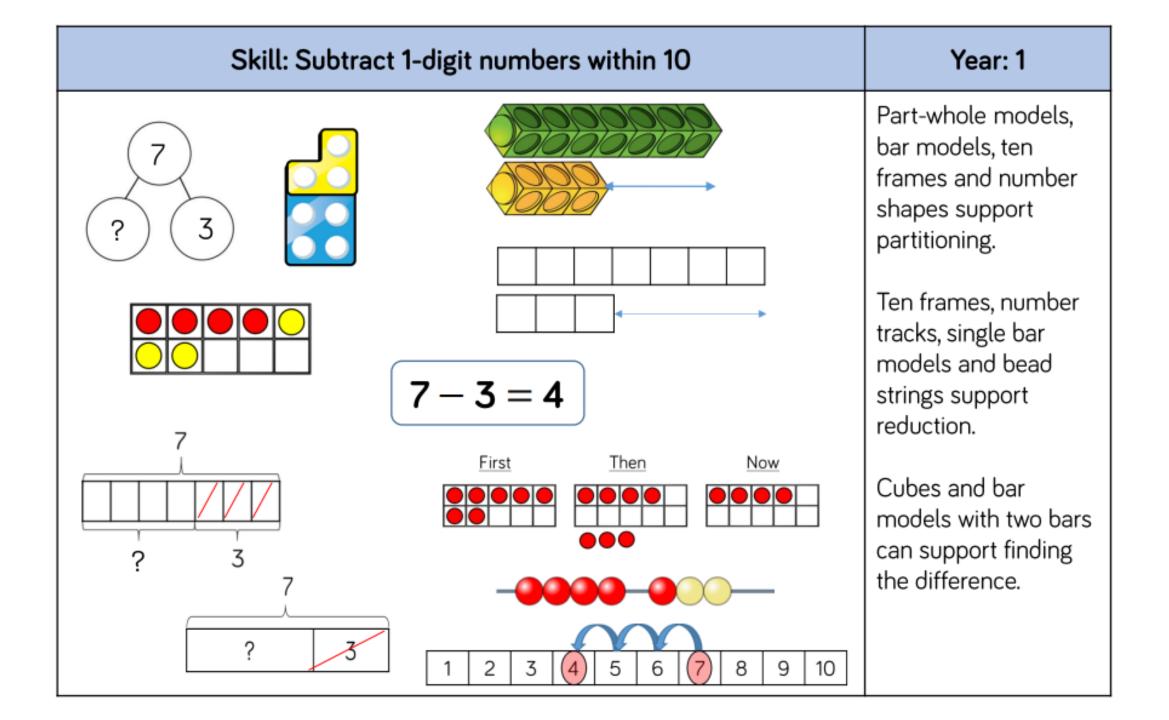
Reduction – Subtraction as take away.

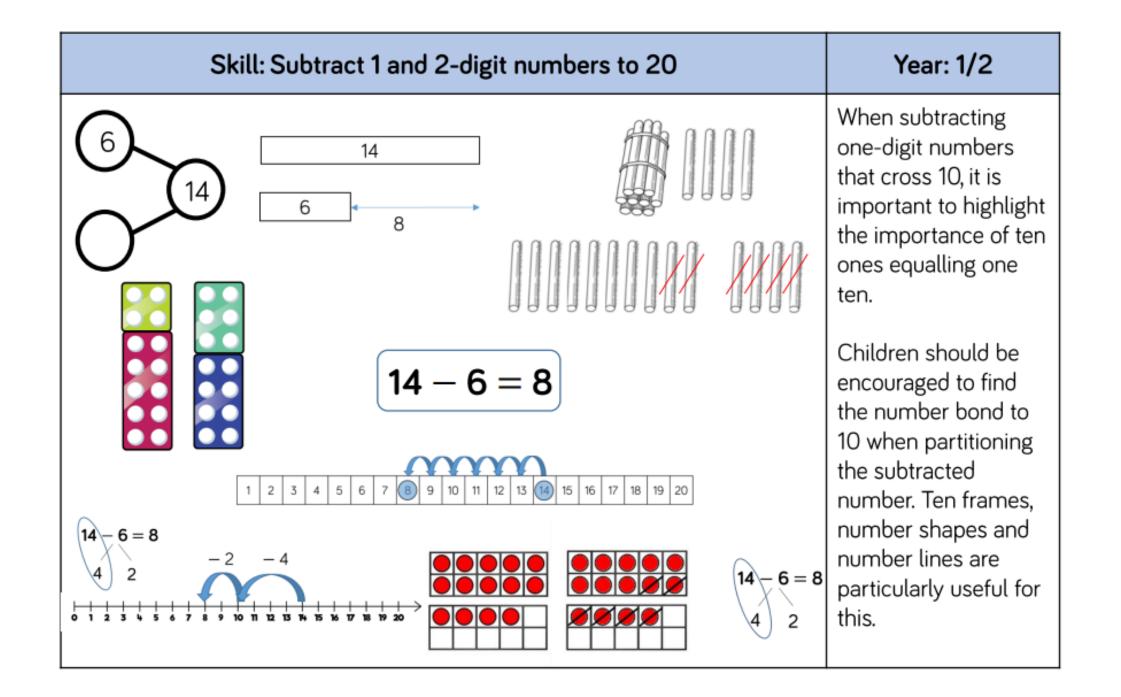
Subitise – Instantly recognise the number of objects in a small group without needing to count.

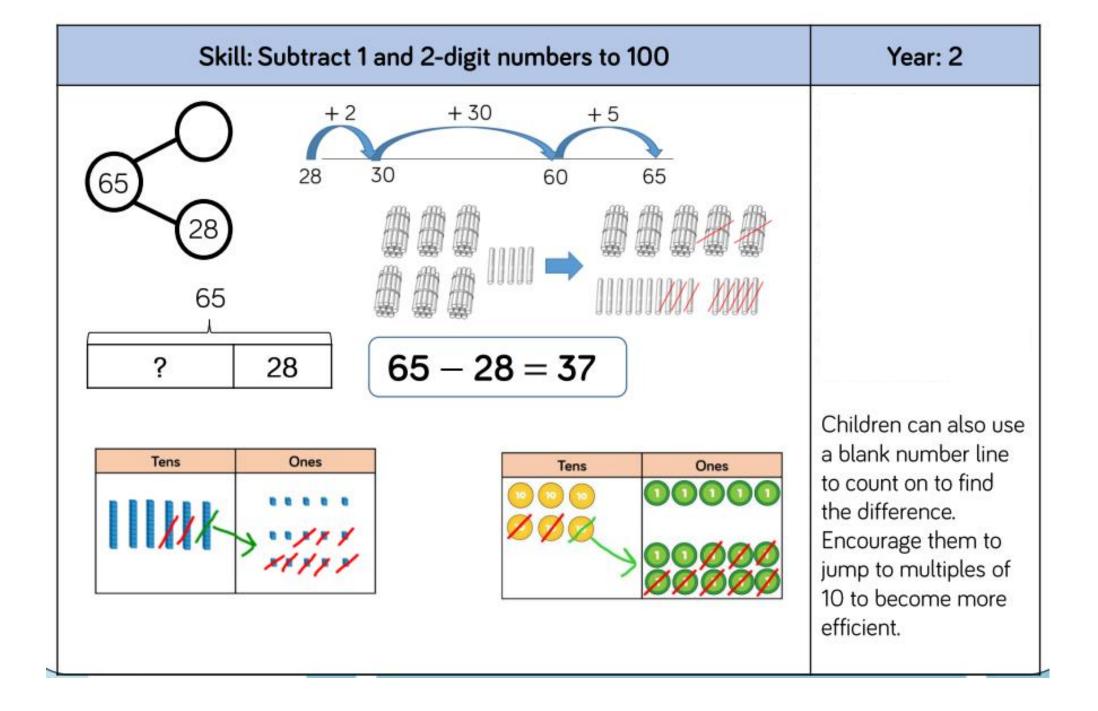
Subtrahend - A number to be subtracted from another.

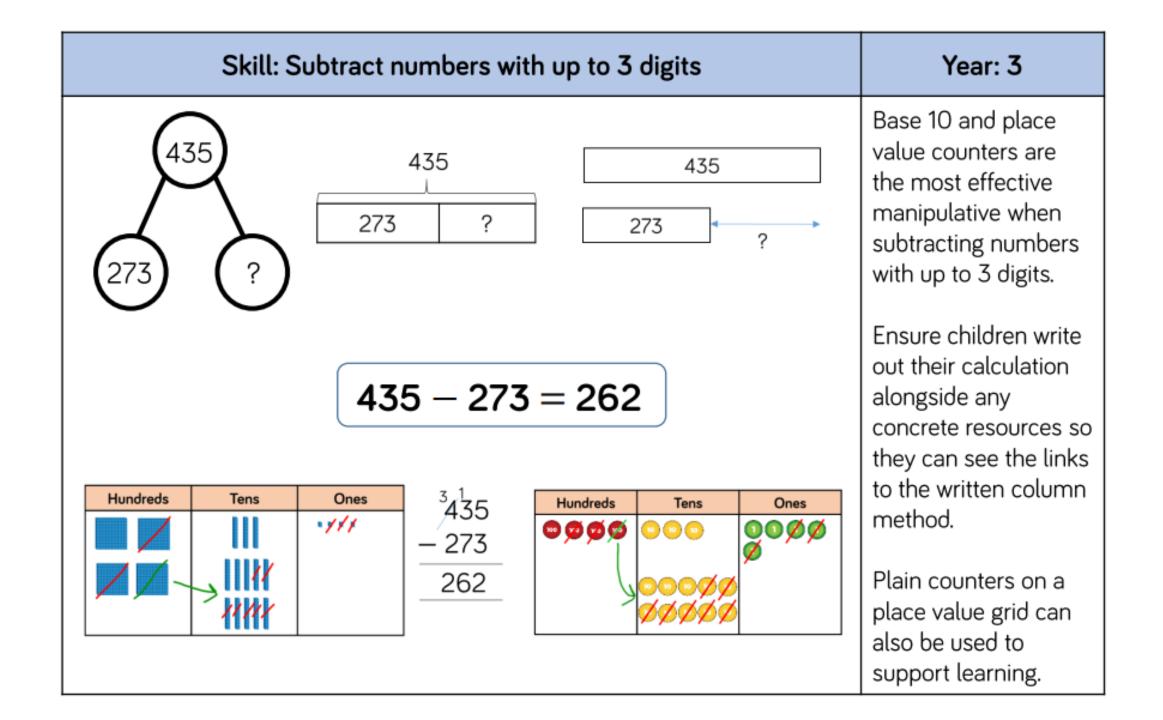
Sum - The result of an addition.

Total - The aggregate or the sum found by addition.









Skill: Subtract numbers with up to 4 digits	Year: 4
4,357 $4,357$ $2,735$ $2,735$ $4,357$ $4,357$ -2735 -2735 1622 $4,357 - 2,735 = 1,622$	Base 10 and place value counters are the most effective manipulatives when subtracting numbers with up to 4 digits. Ensure children write out their calculation alongside any
Thousands Hundreds Tens Ones IIIIII IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	concrete resources so they can see the links to the written column method. Plain counters on a place value grid can also be used to support learning.

