## The Principles of Counting

Counting is saying a word to describe a number. The idea of counting seems like such a simple concept, but when broken down, there are actually several distinct counting principles that progressively build toward a child being able to effectively count a group of objects.





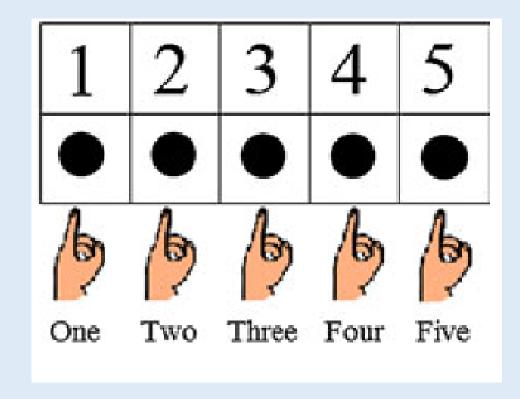
# One-one correspondence

When saying the names of the numbers in sequence, each object receives one count and only one count.



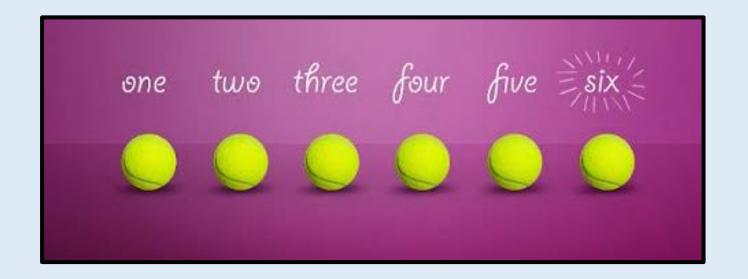
#### Stable-order

The verbal sequence of counting; being able to say the number names in sequential order.



### Cardinality

The last number spoken in a counting sequence names the quantity for that set.

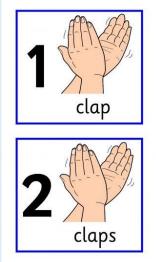


#### **Abstraction**

It doesn't matter what you count, how we count stays the same. For example, any set of objects can be counted as a set, regardless of whether they are the same colour, shape, size, etc.

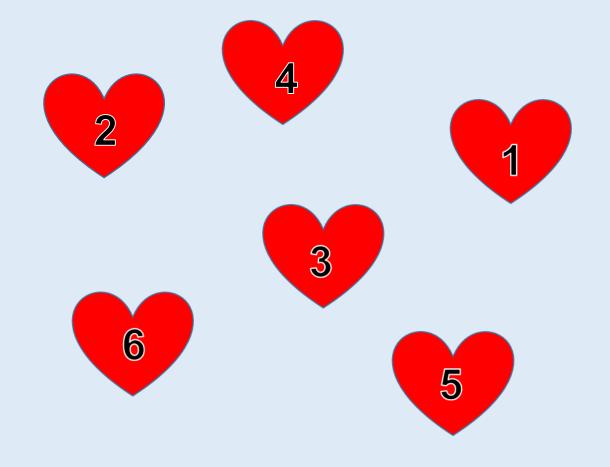
This can also include nonphysical things such as sounds, imaginary objects, etc.





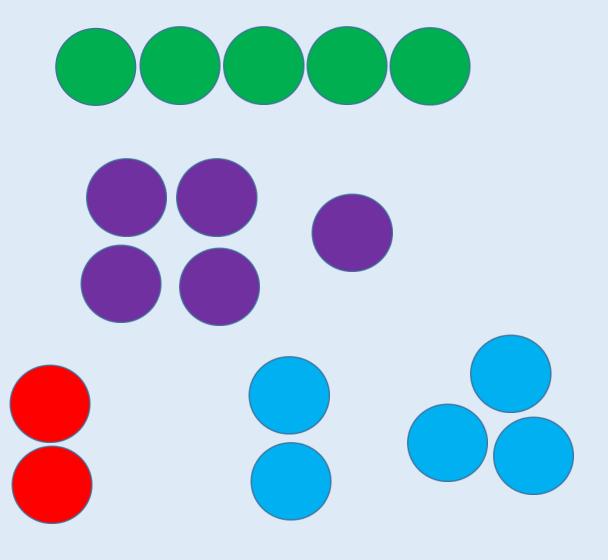
#### Order irrelevance

The order that items are counted in is irrelevant, left-to-right, right-to-left, in a random fashion, as long as every object in the set is given one count and only one count.



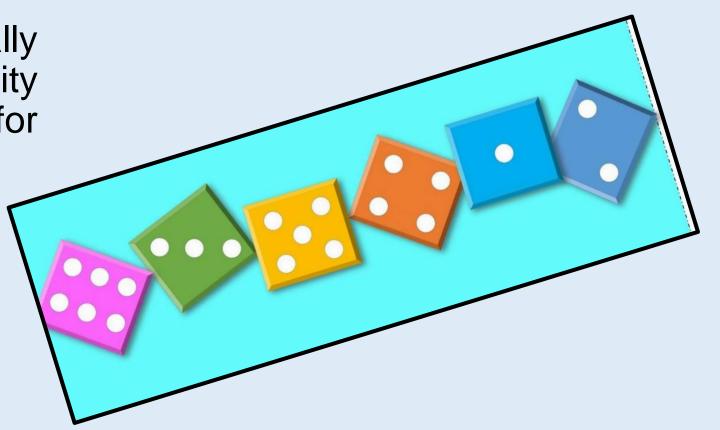
#### **Number conservation**

The number of objects remains the same when they are rearranged spatially. For example, 5 can be... 4 and 1 OR 3 and 2 OR 2 and 3, etc.



## Subitising

Being able to visually recognise a quantity without the need for counting.



## Comparison

Being able to compare quantities by identifying which is more and which is less.

