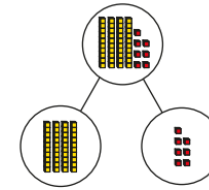


# Year 1: Swans Mathematics Spring 2

## Number Place Value to 50 Measurement Length and Height Mass and Volume

### Place Value to 50

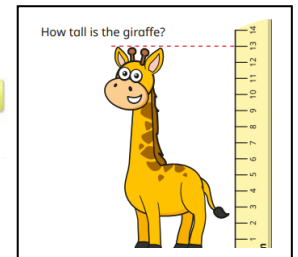
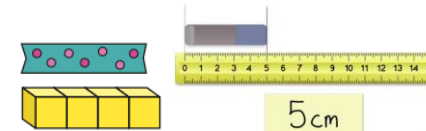
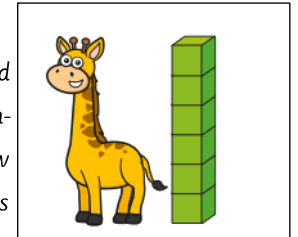


Number bonds to 50 is the next step after using number bonds to 10 and 20. The ones column will need to be completed to make another ten. Then we need to have 5 complete tens to get to 50.

	Key Vocabulary	Definition
Place Value	<b>Addition</b>	To put two numbers together to make a bigger number
	<b>Compare</b>	To look at the numbers to decide which one is greater
	<b>Estimate</b>	To be able to place where a number could be using the number line to help guide our choice
	<b>Number bonds</b>	A pair of numbers that add together to make another specific number
	<b>Number line</b>	A line on which numbers are marked at intervals used to help with maths equations
	<b>Part-Whole model</b>	Numbers being split into parts
	<b>Subtraction</b>	To take one number away from another
	<b>Total</b>	A complete amount
Length and Height	<b>Centimetre</b>	A unit of measurement (represented by cm)
	<b>Compare</b>	To look at two objects and say which is longer/shorter or taller/shorter
	<b>Height</b>	The measurement of something from top to bottom
	<b>Length</b>	The measurement of something from end to end
	<b>Longer</b>	A length which has a greater value than another length
	<b>Ruler</b>	A piece of equipment which is used to measure the length of a line
	<b>Shorter</b>	A length which has a lesser value than another length
Mass and volumes	<b>Empty</b>	Nothing is in the container
	<b>Full</b>	The container is completely used, and it has been filled to the top
	<b>Heavier</b>	An object that has a greater value for mass than another object
	<b>Lighter</b>	An object which has a lesser value for mass than another object
	<b>Mass</b>	A scientific way to say the weight of the object.
	<b>Scales</b>	A piece of equipment which measures how much mass something has
	<b>Volume</b>	The amount of space a substance occupies

### Length and height

The first step of measuring the length and height of objects is to measure it in non-standard units. The first step is to say how many cubes long or tall an object is. Rulers are then used to measure more accurately.



### Mass

Mass can also be measured using non-standard measurements. The objects below can be weighed by looking at how many cubes are an equal weight.

It is then possible to compare the objects to say which is the heaviest (car) and which is the lightest (bear).

