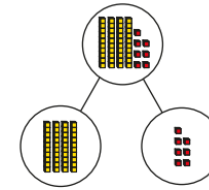


Year 1: Swans Mathematics Spring 2

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

Place Value to 50

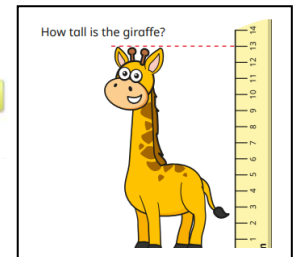
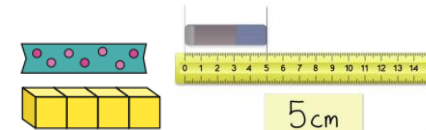
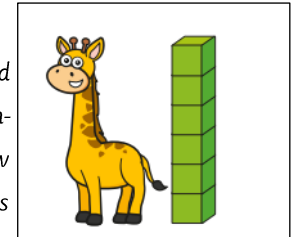


Number bonds to 50 is the next step after using number bonds to 10 and 20. The ones column will need to be completed to make another ten. Then we need to have 5 complete tens to get to 50.

	Key Vocabulary	Definition
Place Value	addition	To put two numbers together to make a bigger number
	compare	To look at the numbers to decide which one is greater
	estimate	To be able to place where a number could be using the number line to help guide our choice
	number bonds	A pair of numbers that add together to make another specific number
	number line	A line on which numbers are marked at intervals used to help with maths equations
	part-whole model	Numbers being split into parts
	subtraction	To take one number away from another
	total	A complete amount
Length and Height	centimetre	A unit of measurement (represented by cm)
	compare	To look at two objects and say which is longer/shorter or taller/shorter
	height	The measurement of something from top to bottom
	length	The measurement of something from end to end
	longer	A length which has a greater value than another length
	ruler	A piece of equipment which is used to measure the length of a line
Mass and volumes	shorter	A length which has a lesser value than another length
	empty	Nothing is in the container
	full	The container is completely used, and it is has been filled to the top
	heavier	An object that has a greater value for mass than another object
	lighter	An object which has a lesser value for mass than another object
	mass	A scientific way to say the weight of the object.
	scales	A piece of equipment which measures how much mass something has
	volume	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).

