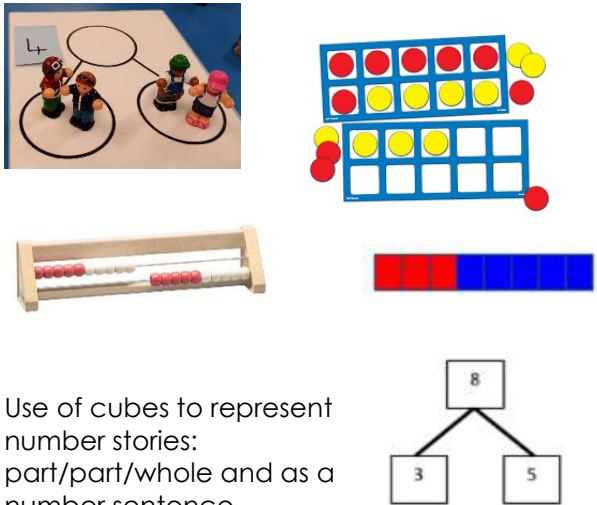

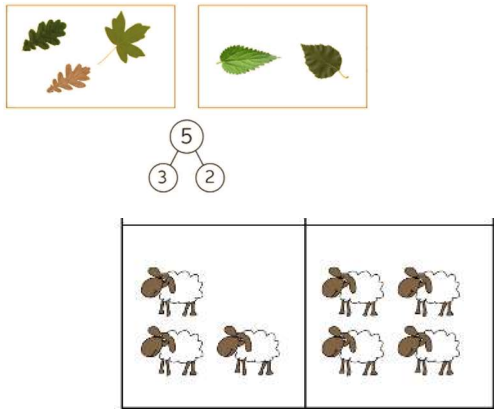
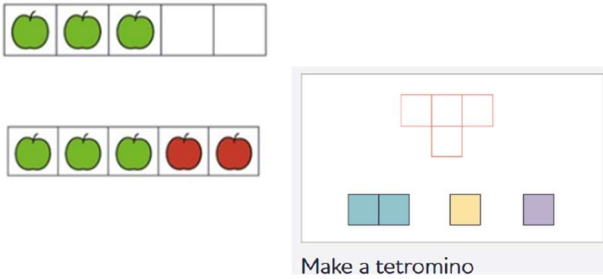
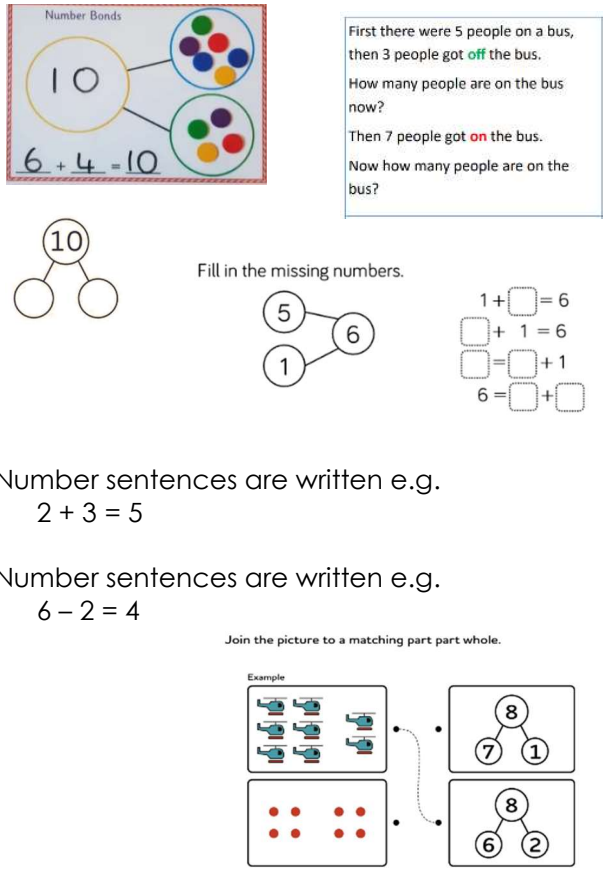


## Partitioning and Composition

Knowing numbers are made up of two or more other smaller numbers involves 'part-whole' understanding. Learning to 'see' a whole number and its parts at the same time is a key development in children's number understanding. Partitioning numbers into other numbers and putting them back together again underpins understanding of addition and subtraction as inverse operations.

	Concrete	Pictorial	Abstract
Partitioning & Composition	 <p>Use of cubes to represent number stories: part/part/whole and as a number sentence.</p> 	 	 <p>Number Bonds</p> <p>First there were 5 people on a bus, then 3 people got <b>off</b> the bus. How many people are on the bus now? Then 7 people got <b>on</b> the bus. Now how many people are on the bus?</p> <p>Fill in the missing numbers.</p> <p>Number sentences are written e.g. <math>2 + 3 = 5</math></p> <p>Number sentences are written e.g. <math>6 - 2 = 4</math></p> <p>Join the picture to a matching part part whole.</p> <p>Example</p>