Maths - Year 4

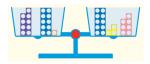
Pattern and Algebra 3: Exploring 'equals' in balancing number sentences

Key Vocabulary		Mathematical Skills
Equivalent	Different ways of representing the same value, e.g. 6 + 2 is equivalent to 8.	 Use the < and > symbols to compare expressions in balancing number sentences and explain their reasoning. Adjust and compensate numbers in balancing number sentences without calculating. Explain that Numicon Shapes can be used to stand for different missing numbers. Explain the knowledge they have drawn on to solve missing number problems e.g. complements, doubles, inverse. Explain that brackets are used to show the order in which calculations are to be carried out. Explain that three numbers can be multiplied together in any order and the product will be the same.
Brackets	Used to show the order in which calculations are carried out.	
Balancing cal- culations	A calculation that uses the equals symbol to claim that two expressions are equal e.g. 80 + 110 = 140 + 50.	
Adjusting/ Compensating	Making a small change to a calculation, making it easier to solve.	

Mathematical Methods

- Using symbols to show inequalities.

- Exploring balancing number sentences e.g. 9 + 11 = 13 + 7



- Finding missing numbers in balancing number sentences.

