Maths - Year 3

Number and the Number System 4: Partitioning 2 and 3 digit numbers with and without money.

Key Vocabulary	
estimate	An educated guess, close to the actual.
approximately	About, nearly, close to an amount or value.
hundreds	Multiples of 100 e.g. 100, 200, 300, 400 etc.
tens	Multiples of 10 e.g. 10, 20, 30, 40…..120 etc.
ones	Multiples of 1 that are smaller than 10.
equivalent	Equal to

Mathematical Skills

- Read 2 and 3 digit numerals, and use the words 'hundreds', 'tens' and 'ones' to explain the column value of each digit.
- Partition (in different ways) numbers built with apparatus and who can record these as adding sentences, e.g. for 35 record 10 + 10 + 10 + 5 = 35, 20 + 15 = 35.
- Work from a number trio, e.g. 30, 5, 35, to devise inverse adding and subtracting sentences, such as 30 + 5 = 35 and 35 - 5 = 30.
- Find appropriate coins both from reading a 'price tag' and from hearing the price spoken, and write prices with £ and p, using the decimal point.
- Recognise all currency notes and coins.
- Understand equivalent values e.g. 10p is equal to two 5ps.
- Connect adding tens and ones with Numicon shapes to adding coin values.

Mathematical Methods

- Use Numicon equipment to explore partitioning numbers in different ways.

- Explore writing numbers sentences that partition numbers in different ways e.g.

64 = 30 + 30 + 4, 64 = 30 + 34, 64 = 20 + 44, 64 = 24 + 40, 64 = 50 + 14.

- Represent prices with structured apparatus and coins, and relate this to hundreds, tens and ones.
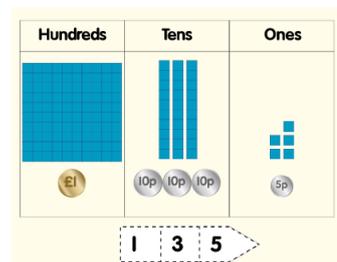
- Find different ways to pay for an item.

Can you..?

- How many ways can you partition 47?

- How many ways can you partition 231?

- How much money is represented here?

- Find three different ways to make 85p with Coins.