Maths - Year 3

Number and the Number System 2: Exploring hundreds, tens and ones with base-ten apparatus.

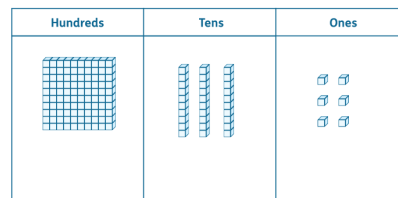### Key Vocabulary

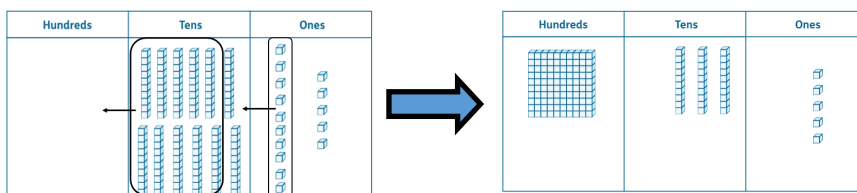|	
estimate	An educated guess, close to the actual.
approximately	About, nearly, close to an amount or value.
hundreds	Multiples of 100 e.g. 100, 200, 300, 400 etc.
tens	Multiples of 10 e.g. 10, 20, 30, 40…..120 etc.
ones	Multiples of 1 that are smaller than 10.
Partition	Split a number in different ways e.g. 27 = 2 tens and 7 ones.
Exchange	Transfer a digit from one place value column to another.

Mathematical Skills

- Confidently used structured apparatus to build 2 and 3 digit numbers from seeing them written down and from hearing the number names.
- Name and write numbers from seeing them built with structured apparatus.
- Read and write 2 and 3 digit numbers correctly in numerals and words.
- Confidently group numbers into hundreds, tens and ones.
- Know how many tens there are in any number to 1000.
- Know that, when they are working with base-ten apparatus, 10 cubes can be exchanged for a ten-stick and 10 ten-sticks can be exchanged for a flat.

Mathematical Methods

- Using grouping in tens to count 'how many?'

- Explore grouping in hundreds when having more than ten groups of 10 e.g. 120 will have one group of hundreds and 2 groups of tens.

- Explore base ten apparatus to recognise numbers and support understanding of place value e.g. 136

-Explore exchanging when crossing tens and hundreds
E.g. 135

Can you..?

- Write these as 2 digit numbers, and in words: a) 5 tens   b) 8 tens   c) 7 tens

- How many tens are in these numbers?   a) 120   b) 260   c) 780

- Which number is being represented with the base-ten apparatus?

- Write a) 100 more than 723   b) 10 more than 307

c) 10 less than 524.