

## What should I already know?

- count in steps of 2, 3, and 5 from 0, and in 10s from any number, forward and backward
- recognise the place value of each digit in a two-digit number (10s, 1s)
- identify, represent and estimate numbers using different representations, including the number line
- compare and order numbers from 0 up to 100; use  $<$ ,  $>$  and  $=$  signs
- read and write numbers to at least 100 in numerals and in words
- use place value and number facts to solve problems

## Key Knowledge

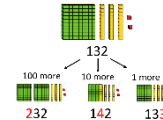
Count from 0 in multiples of 4, 8, 50 and 100; find 10 or 100 more or less than a given number

0 4 8 12 16 20 24 28 32 36 40

0 8 16 24 32 40 48 56 64 72 80

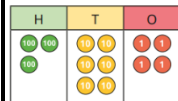
0 50 100 150 200 250 300 350 400 450 500

0 100 200 300 400 500 600 700 800 900 1000



Extend to where + or - involves exchanging in 1s and 10s only.  
e.g.  $304 - 10$ ;  $496 + 10$

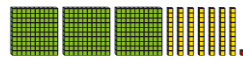
Recognise the place value of each digit in a 3-digit number (100s, 10s, 1s)



3 hundreds = 300  
6 tens = 60  
4 ones = 4

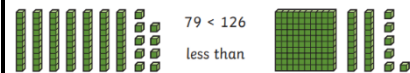


Use diennes to show flexible partitioning:

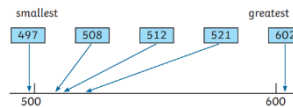
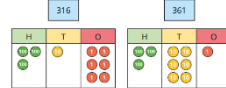


$371 = 300 + 70 + 1$   
 $371 = 200 + 170 + 1$   
 $371 = 200 + 160 + 11$

Compare and order numbers up to 1,000



less than



Identify, represent and estimate numbers using different representations

Objects



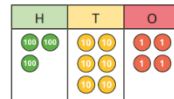
Diennes



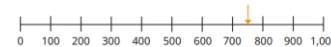
Jottings



Place value counters



Number line



Read and write numbers up to 1,000 in numerals and in words

345 = three hundred and forty five

Six hundred and seven = 607

Solve number problems and practical problems involving these ideas

## Key Vocabulary and definitions

<b>Compare</b>	View a number in relation to another.
<b>Estimate</b>	Making a number easier to work with but keeping the value similar.
<b>Equal to</b>	Being the same in quantity, size or value.
<b>Flexible</b>	Separate larger numbers in different smaller numbers (not just HTO).
<b>Hundreds</b>	A place value heading where 1 hundred is equivalent to 10 tens and 100 ones.
<b>Less (than)</b>	One value is smaller than another.
<b>More/greater (than)</b>	One value is greater than another.
<b>Multiples</b>	Values in a given numbers x tables.
<b>Number line</b>	A line in which numbers are marked at intervals.
<b>Ones</b>	The first place value heading which contains single digit numbers 1-9.
<b>Order</b>	Arranging numbers from smallest to largest (ascending) or largest to smallest (descending)
<b>Partition</b>	Separating larger numbers into smaller units.
<b>Place value</b>	The value of each digit that appears in a number.
<b>Tens</b>	A place value heading where 1 ten is equal to 10 ones.