



Maths Unit Planning

Year: 3

Unit: PV

Approx. length: 14 Sessions

Prior Learning:

This unit builds on previous learning in Year 2 about place value within 1,000. This previous learning introduced children to the concept of counting in 10s, comparing numbers, ordering numbers and using a number line to 1,000. Children will continue to use these previously learnt skills and apply them when working with 4-digit numbers. Before they start this unit, it is expected that children:

- have a solid understanding of place value within 1,000 from Year 2
- understand how to count in 10s and 100s
- can order and compare numbers to 1,000.

Main Learning:

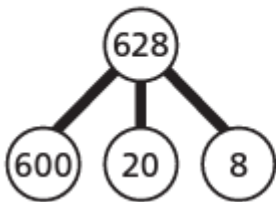
- Know PV of 1s, 10s, 100s
- Know the value of the different digits
- Understand number lines.
- Count in different amounts on a number line.

Steps of learning:

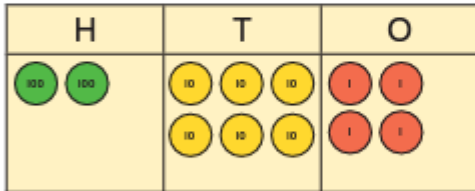
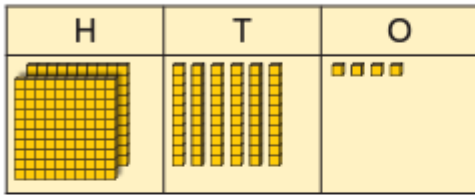
1. Representing and partitioning numbers to 100
2. Number lines
3. Partition numbers up to 1000
4. Estimate on a number line
5. Find 1, 10 and 100 more/less
6. Compare and order numbers to 1000
7. Count in 50s

Key representations and structures to use:

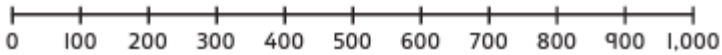
Part-whole model: This model will help children to see how numbers can be partitioned into 100s, 10s and 1s.



Place value grid, including using base 10 equipment and place value counters: This model will help children organise 3-digit numbers into 100s, 10s and 1s, with both concrete representations and abstract numbers.



Number line to 1,000: This model will help children to visualise the order of numbers and can help them to compare numbers.



Vocabulary:

There is some key language that children will need to know as part of the learning in this unit: Ones, Tens, Hundreds, Place Value, Number Line, Partitioning, Number Line, Estimate, Thousands, Compare, Order.