2M011 Overview

Master Comparing 2-Digit Numbers

Rationale

In this step, pupils will build on their previous learning of comparing two 2-digit number representations by comparing two 2-digit numbers represented as numerals. They continue to use the vocabulary 'greater than', 'less than' and 'equal to' in their comparisons and they are introduced to the comparison symbols >, < and = for the first time. Pupils will work from left to right to compare digits, looking at the greatest place value column first, and they will explain why a number is greater than or less than another using 'more' and 'fewer'. Pupils will deepen their understanding of comparing 2-digit numbers through the use of number lines. They will also develop their learning by writing digits to complete comparison statements.

Key Stem Sentences

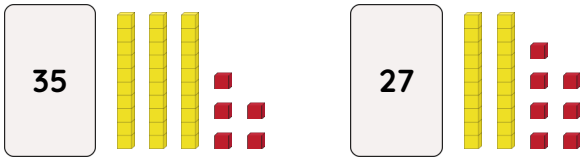
- ___ is greater than / > ___
- ___ is less than / < ___
- ___ is equal to / = ___
- ___ has more / fewer / no ___s.

Key Vocabulary

- greatest place value column
- compare
- greater than / less than / equal to
- more / fewer / no

Key Representations

Number cards with Dienes



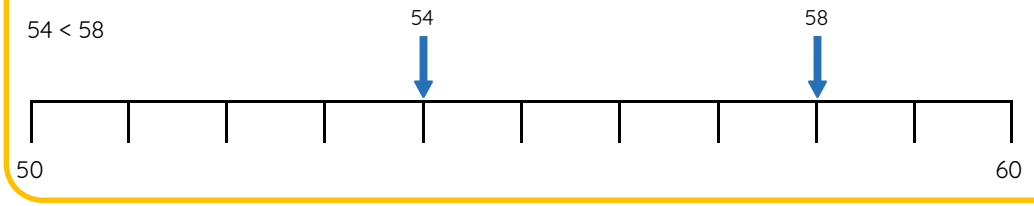
35 has more tens than 27. 35 is greater than 27

Place value charts with digits

10s	1s
9	0
9	6

90 has no ones.
90 is less than 96

Number lines (to support reasoning)



Common Errors or Misconceptions

- Pupils may use the vocabulary or symbols incorrectly to compare two numbers.
- Pupils may misread the place value of digits.

Pupils will FLOURISH if they can...

- identify a number that is greater than, less than or equal to another.
- use comparison symbols accurately, including writing digits to complete comparison statements.
- use a number line to show numbers greater than, less than or equal to another.
- explain their understanding using written sentences, concrete apparatus and given representations.