Master 1,000,000s

Rationale

In this step, pupils develop their understanding of hundred thousands from Year 5 and make the link between hundred thousands and millions. They will understand that 10 hundred thousands are equivalent to 1 million and that 1,000,000 is 10 times the size of 100,000. Pupils will learn the equivalence of hundred thousands to multiples of 1,000,000. For example, 80 hundred thousands are equivalent to 8 millions.

They will deepen their understanding with equivalences of wider powers of 10. For example, 30,000 hundreds are equivalent to 3 millions.

Key Stem Sentences

- ___ _____s are equivalent to ___ _____(s)
- ___ is ___ times the size of ___

Key Vocabulary

- ones / tens / hundreds / thousands / ten thousands / hundred thousands / millions
- equivalent to

Key Representations

Place Value Counters

10 hundred thousands are equivalent to 1 million

40 hundred thousands are equivalent to 4 millions.

Common Errors or Misconceptions

- Pupils may misunderstand base 10 place value. For example, 90,000 ten thousands are equivalent to 9 millions or 900 thousands are equivalent to 9 millions.
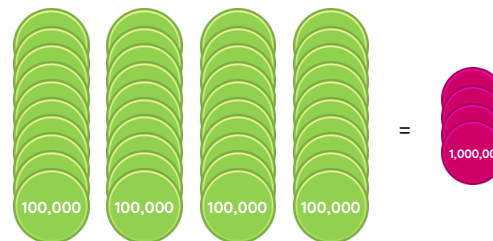
Pupils will FLOURISH if they can...

- identify that 10 hundred thousands are equivalent to 1 million.
- recognise that 1,000,000 is 10 times the size of 100,000
- understand equivalence with wider powers of 10
- explain their understanding in multiple ways using their own words and representations.