Master Thousandths

Rationale

In this step, pupils will build upon their understanding of tenths and hundredths from Year 4 and make the link between ones, tenths, hundredths and thousandths. They will understand that 10 thousandths are equivalent to 1 hundredth and that 1 hundredth is 10 times the size of 1 thousandth. Pupils will learn the equivalence of thousandths to multiples of hundredths. For example, 30 thousandths are equivalent to 3 hundredths. They will deepen their understanding with equivalences of wider powers of 10. For example, 1,000 hundredths are equivalent to 1 one or 6 tenths are equivalent to 600 thousandths.

Key Stem Sentences

- ___ thousandths are equivalent to 1 hundredth / tenth / one.
- ___ _____s are equivalent to ___ _____s.

Key Vocabulary

- ones / tenths / hundredths
- thousandths
- equivalent

Key Representations

Place Value Counters

10 thousandths are equivalent to 1 hundredth.

40 thousandths are equivalent to 3 hundredths.
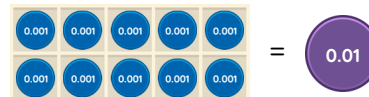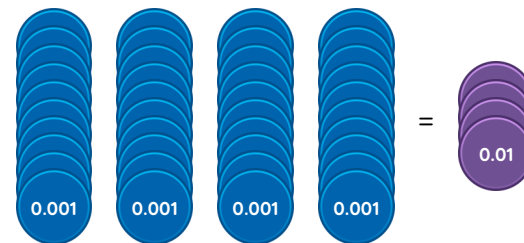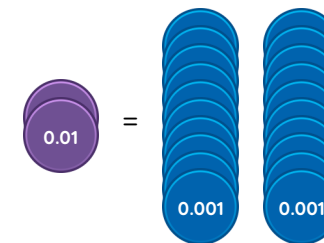
2 hundredths are equivalent to 20 thousandths.

Common Errors or Misconceptions

- Pupils may have difficulty understanding the concept of the number 1 being divided into 1,000 equal parts or that 0.001 is 1 thousandth the size of 1

Pupils will FLOURISH if they can...

- identify that 10 thousandths are equivalent to 1 hundredth, 100 thousandths are equivalent to 1 tenth and 1,000 thousandths are equivalent to 1 one.
- recognise that 0.01 is 10 times the size of 0.001
- understand the equivalence with wider powers of 10
- begin to explain their understanding using their own words and representations.