4M029 Overview

Master Recognising Hundredths in Decimal and Fractional Form

Rationale

In this step, pupils will build upon their understanding of hundredths as decimals and fractions. They will use number lines to recognise the equivalence of hundredths in decimal and fractional form, initially using a separate number line for each form before progressing to recognising both on one number line from 0 to 1 with 100 unlabelled intervals.

Pupils will develop their learning by converting hundredths as decimals to fractions and vice versa abstractly, without the support of the number line.

Key Stem Sentences

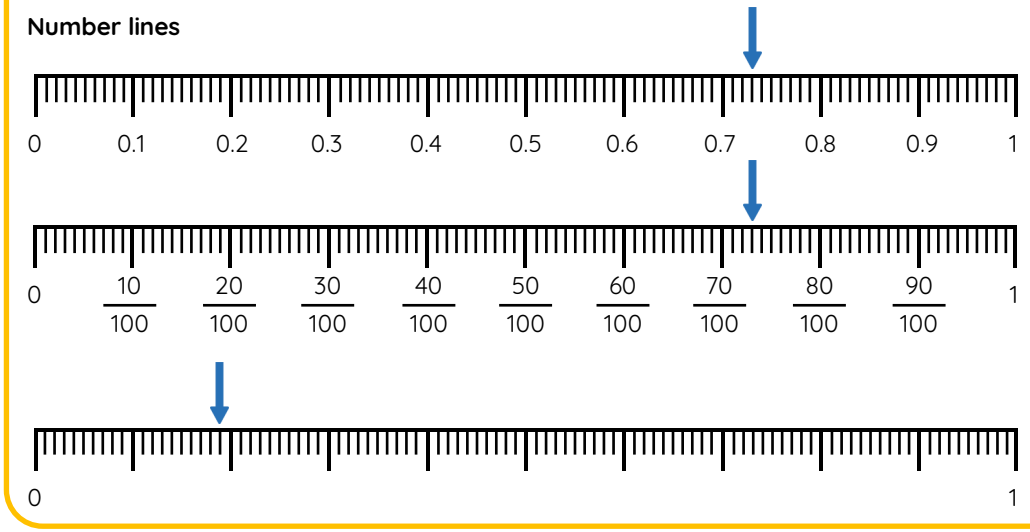
- ___ hundredth(s) as a decimal is ___
- ___ hundredth(s) as a fraction is ___
- ___ is equivalent to ___

Key Vocabulary

- hundredths
- decimal
- fractional
- equivalent

Key Representations

Number lines



73 hundredths as a decimal is 0.73. 73 hundredths as a fraction is $\frac{73}{100}$. 0.73 is equivalent to $\frac{73}{100}$.

19 hundredths as a decimal is 0.19. 19 hundredths as a fraction is $\frac{19}{100}$. 0.19 is equivalent to $\frac{19}{100}$.

Common Errors or Misconceptions

- Pupils may struggle with the place value of hundredths. For example, 4 hundreds is equivalent to 0.04
- Pupils may struggle to recognise the fraction when given the decimal. For example, 0.6 is equivalent to 6 hundredths

Pupils will FLOURISH if they can...

- write fractions given in hundredths in decimal form.
- write decimals given in hundredths in fractional form.
- recognise hundredths in decimal and fractional form in the context of place value.
- explain their understanding using 'Decide, Assess, Back up' with representations.