

Master Recognising Halves, Quarters and Fifths in Decimal Form

Rationale

In this step, pupils will build upon their understanding of halves, quarters and fifths in fractional form. They will use number lines to recognise the equivalence of halves, quarters and fifths 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 unlabelled intervals.

Pupils will develop their learning by converting halves, quarters and fifths from fractions to decimals and vice versa abstractly, without the support of the number line.



Key Stem Sentences

- ___ half / quarter(s) / fifth(s) as a fraction is ___
- ___ half / quarter(s) / fifth(s) as a decimal is ___
- ___ is equivalent to ___



Key Vocabulary

- half / quarter / fifth
- decimal
- fractional
- equivalent



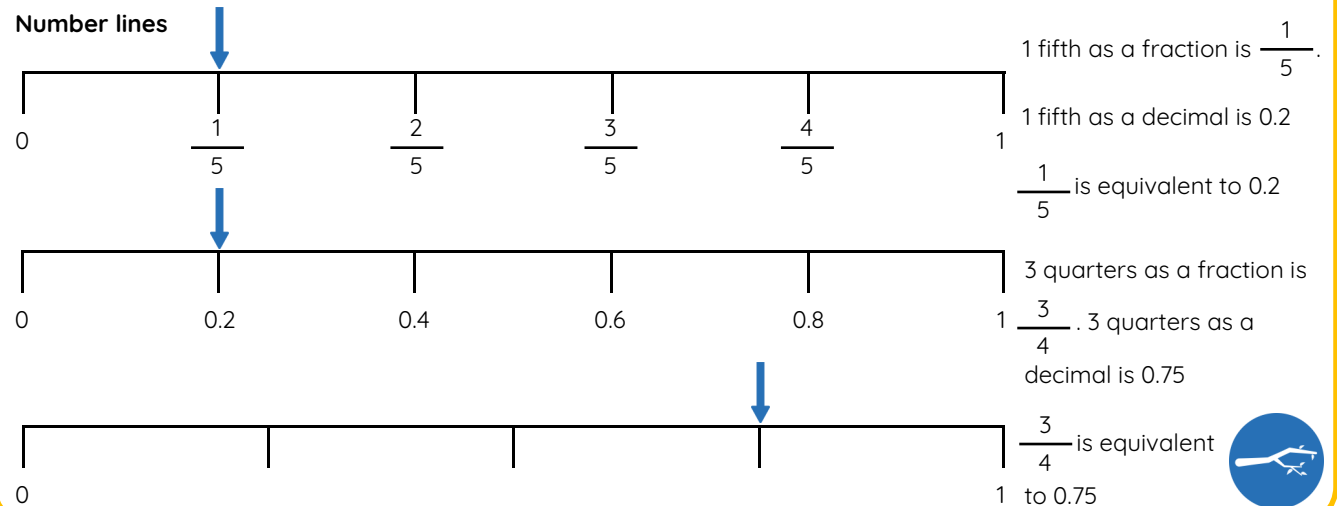
Common Errors or Misconceptions

- Pupils may struggle with the place value of quarters. For example, 1 quarter is equivalent to 2.5
- Pupils may struggle to recognise the fraction when given the decimal. For example, 0.5 is equivalent to 1 fifth.



Key Representations

Number lines



Pupils will FLOURISH if they can...

- write halves, quarters and fifths given as fractions in decimal form.
- write halves, quarters and fifths given as decimals in fractional form.
- explain their understanding using 'Decide, Assess, Back up' with representations.

