

And extend the application of place value to tenths and...

recognise and extend the application of place value to tenths and hundredths and use the conventions of decimal notation to name and represent decimals

Learning intention

- recognise and extend the application of place value to tenths and hundredths and use the conventions of decimal notation to name and represent decimals

Teach and model

- using a bar to represent the whole, dividing it into 10 equal pieces with each piece representing 0.1 or a tenth of the whole length and understanding that 2 pieces are...
- using materials to show the multiplicative relationship between the whole, tenths and hundredths; for example, using a bundle of 10 straws to represent the whole, one straw...
- recognising that one is the same as ten-tenths and one-tenth is the same as 10 hundredths and using this relationship to rename decimals; for example, renaming...

Check understanding

- Explain the main idea in and extend the application of place value to tenths and... using an example.
- Show the idea in a second way: with words, a model, a diagram or symbols.
- Apply the idea to a short unfamiliar situation and justify the result.

Teaching cautions

- Ask the student to explain their choice, not only state an answer.
- Check that key vocabulary is understood in a new example.
- Mix representations so the skill is transferred rather than copied.

Quick lesson sequence

- Connect to prior knowledge and introduce the key vocabulary.
- Model one clear example, then solve a second example together.
- Finish with an independent check and a short student explanation.