

Round decimals to a given accuracy appropriate to the context...

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Learning intention

- round decimals to a given accuracy appropriate to the context and use appropriate rounding and estimation to check the reasonableness of solutions

Teach and model

- identifying the interval between a pair of consecutive integers that includes a given rational number
- choosing and applying conventions for rounding correct to a specified number of decimal places based upon the context
- checking that the accuracy of rounding is suitable for context and purpose, such as the amount of paint required and cost estimate for renovating a house; for example...

Check understanding

- Explain the main idea in round decimals to a given accuracy appropriate to the context... 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.