

Apply knowledge of equivalence to compare, order and represent common...

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Learning intention

- apply knowledge of equivalence to compare, order and represent common fractions including halves, thirds and quarters on the same number line and justify their order

Teach and model

- applying factors and multiples to fraction denominators, such as halves with quarters, eighths and twelfths, and thirds with sixths, ninths and twelfths to determine equivalent...
- representing fractions on the same number line, paying attention to relative position, and using this to explain relationships between denominators
- explaining equivalence and order between fractions using number lines, drawings and models

Check understanding

- Explain the main idea in apply knowledge of equivalence to compare, order and represent common... 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.