

Solve problems involving addition and subtraction of fractions with the...

solve problems involving addition and subtraction of fractions with the same or related denominators, using different strategies

Learning intention

- solve problems involving addition and subtraction of fractions with the same or related denominators, using different strategies

Teach and model

- using different ways to add and subtract fractional amounts by subdividing different models of measurement attributes; for example, adding half an hour and...
- representing and solving addition and subtraction problems involving fractions by using jumps on a number line, bar models or making diagrams of fractions as parts of...
- using materials, diagrams, number lines or arrays to show and explain that fraction number sentences can be rewritten in equivalent forms without changing the...

Check understanding

- Explain the main idea in solve problems involving addition and subtraction of fractions with the... 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.