

Represent practical situations involving addition, subtraction and quantification with physical...

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Learning intention

- represent practical situations involving addition, subtraction and quantification with physical and virtual materials and use counting or subitising strategies

Teach and model

- using role-play and materials to represent mathematical relationships in stories; for example, "Eight kangaroos were drinking at the river and 3 hopped away"; drawing a...
- role playing or actively engaging in situations that involve quantifying or comparing collections of items or simple money transactions; for example, "Do we...
- representing addition and subtraction situations found in leaf games involving sets of objects used to tell stories, such as games from the Warlpiri Peoples of Yuendumu in...

Check understanding

- Explain the main idea in represent practical situations involving addition, subtraction and quantification with physical... 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.