

Partition and combine collections up to 10 using part-part-whole relationships...

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Learning intention

- partition and combine collections up to 10 using part-part-whole relationships and subitising to recognise and name the parts

Teach and model

- recognising numbers represented in physical or virtual ten-frames, and describing their reasoning: "It's 7 because there is 5 there and 2 more"
- partitioning collections of up to 10 objects in different ways and saying the part-part-whole relationship; for example, partitioning a collection of 6 counters into 4...
- representing part-part-whole relationships in numbers up to 10 using physical or virtual materials; for example, identifying numbers represented by dots in standard number...

Check understanding

- Explain the main idea in partition and combine collections up to 10 using part-part-whole relationships... 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.