

Recall and demonstrate proficiency with multiplication facts for twos; extend...

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Learning intention

- recall and demonstrate proficiency with multiplication facts for twos; extend and apply facts to develop the related division facts using doubling and halving

Teach and model

- recognising and relating terms such as double, twice and multiply by 2, halve and divide by 2 using physical and virtual materials; for example, colouring numbers...
- doubling and halving collections to practise and develop fluency with multiplication and division facts for twos leading to recall of these facts
- establishing an understanding of doubles and near doubles using physical or virtual manipulatives; for example, using manipulatives to establish that doubling 5...

Check understanding

- Explain the main idea in recall and demonstrate proficiency with multiplication facts for twos; extend... 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.