

Multiply and divide one- and two-digit numbers, representing problems using...

multiply and divide one- and two-digit numbers, representing problems using number sentences, diagrams and arrays, and using a variety of calculation strategies

Learning intention

- multiply and divide one- and two-digit numbers, representing problems using number sentences, diagrams and arrays, and using a variety of calculation strategies

Teach and model

- applying knowledge of numbers and the properties of operations using a variety of ways to represent multiplication or division number sentences; for example, using a...
- using part-part-whole and comparative models to visually represent multiplicative relationships and choosing whether to use multiplication or division to solve problems
- matching or creating a problem scenario or story that can be represented by a given number sentence involving multiplication and division; for example, using given...

Check understanding

- Explain the main idea in multiply and divide one- and two-digit numbers, representing problems using... 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.