

Multiply and divide by one-digit numbers using repeated addition, equal...

multiply and divide by one-digit numbers using repeated addition, equal grouping, arrays, and partitioning to support a variety of calculation strategies

Learning intention

- multiply and divide by one-digit numbers using repeated addition, equal grouping, arrays, and partitioning to support a variety of calculation strategies

Teach and model

- making and naming arrays and using bar models to solve simple multiplication or sharing problems; for example, make different arrays to represent 12 and name...
- finding the total number represented in an array by partitioning the array using subitising and number facts; for example, describing how they determined the total...
- recognising problems that can be solved using division and identifying the difference between dividing a set of objects into 3 equal groups and dividing the same set of...

Check understanding

- Explain the main idea in multiply and divide by one-digit numbers using repeated addition, equal... 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.