

Solve problems involving division, choosing efficient strategies and using digital...

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Learning intention

- solve problems involving division, choosing efficient strategies and using digital tools where appropriate; interpret any remainder according to the context and express results...

Teach and model

- interpreting and solving everyday division problems such as, "How many buses are needed if there are 436 passengers, and each bus carries 50 people?", deciding...
- solving division problems mentally like 72 divided by 9, $72 \div 9$, by thinking, "how many 9s make 72", $? \times 9 = 72$ or "share 72 equally 9 ways"
- using the fact that equivalent division calculations result if both numbers are divided by the same factor

Check understanding

- Explain the main idea in solve problems involving division, choosing efficient strategies and using digital... 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.