

Solve problems involving duration, including using 12- and 24-hour time...

solve problems involving duration, including using 12- and 24-hour time across multiple time zones

Learning intention

- solve problems involving duration, including using 12- and 24-hour time across multiple time zones

Teach and model

- using digital tools to investigate time zones around the world and convert from one zone to another, such as time in Perth, Western Australia compared to Suva in Fiji or Toronto...
- recognising the challenges of planning regular virtual meeting times for a company that has both international staff and staff within different states and territories, and...
- planning an international travel itinerary that covers destinations in different time zones across Asia

Check understanding

- Explain the main idea in solve problems involving duration, including using 12- and 24-hour time... 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.