

And compare different graphical representations of data sets including using...

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Learning intention

- create and compare different graphical representations of data sets including using software where appropriate; interpret the data in terms of the context

Teach and model

- comparing various student-generated data representations and describing their similarities and differences
- using digital tools, including generative artificial intelligence tools or graphing software, to construct graphs of data acquired through experiments or...
- selecting appropriate formats or layout styles to present data as information, depending on the type of data and the audience; for example, lists, tables, graphs...

Check understanding

- Explain the main idea in and compare different graphical representations of data sets including 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.