Different graphical representations of data using software where appropriate; compare...

create different graphical representations of data using software where appropriate; compare the different representations, identify and describe common and distinctive features in response to questions

Learning intention

- create different graphical representations of data using software where appropriate; compare the different representations, identify and describe common and...

Teach and model

- collecting data from a limited list of choices, creating 2 different graphical representations of the data, discussing and comparing the different representations; for...
- creating different data displays; for example, lists, tally charts, jointly created column graphs and picture graphs to represent a data set; describing the information that...
- using digital tools, including generative artificial intelligence tools, to create picture graphs to represent data using one-to-one correspondence, deciding on an appropriate...

Check understanding

- Explain the main idea in different graphical representations of data using software where appropriate; compare... 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.