

Acquire data for categorical and discrete numerical variables to address...

acquire data for categorical and discrete numerical variables to address a question of interest or purpose, using digital tools; represent data using many-to-one pictographs, column graphs and other displays or visualisations; interpret and discuss the information that has been created

Learning intention

- acquire data for categorical and discrete numerical variables to address a question of interest or purpose, using digital tools; represent data using many-to-one...

Teach and model

- investigating many-to-one data displays using digital tools and graphical software, interpreting and discussing key features
- understanding that data can be represented with one symbol representing more than one piece of data, and that it is important to read all information about a representation before...
- constructing graphs of data collected through observation during science experiments, recording, interpreting and discussing the results in terms of the...

Check understanding

- Explain the main idea in acquire data for categorical and discrete numerical variables to address... 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.