

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 by observing, collecting and accessing data sets; record the data using appropriate methods including frequency tables and spreadsheets

Learning intention

- acquire data for categorical and discrete numerical variables to address a question of interest or purpose by observing, collecting and accessing data sets; record the data...

Teach and model

- using efficient ways to collect and record data; for example, written surveys, online surveys, polling the class using interactive digital mediums, and representing and...
- developing questions of interest and using surveys, observations or experiments to collect categorical, discrete numerical or qualitative data sets and discussing what...
- using lists, tallies, symbols and digital data tables to record and display data collected during a chance experiment for interpretation

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.