

Conduct repeated chance experiments and run simulations with an increasing...

conduct repeated chance experiments and run simulations with an increasing number of trials using digital tools; compare observations with expected results and discuss the effect on variation of increasing the number of trials

Learning intention

- conduct repeated chance experiments and run simulations with an increasing number of trials using digital tools; compare observations with expected results and...

Teach and model

- conduct repeated chance experiments and run simulations with an increasing number of trials using digital tools; compare observations with expected results and...

Check understanding

- Explain the main idea in conduct repeated chance experiments and run simulations with an increasing... 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.