

Conduct repeated chance experiments; identify and describe possible outcomes, record...

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Learning intention

- conduct repeated chance experiments; identify and describe possible outcomes, record the results, recognise and discuss the variation

Teach and model

- identifying the possible outcomes of a chance experiment, creating a tally chart to record results, carrying out a few trials and tallying the results for each trial; responding...
- conducting repeated trials of chance experiments such as tossing a coin, throwing a dice, drawing a coloured or numbered ball from a bag, using a coloured spinner with...
- discussing how the process of conducting repeated chance experiments is crucial in the training of artificial intelligence applications like recommendation systems...

Check understanding

- Explain the main idea in conduct repeated chance experiments; identify and describe possible outcomes, record... 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.