Conduct repeated chance experiments including those with and without equally...

conduct repeated chance experiments including those with and without equally likely outcomes, observe and record the results; use frequency to compare outcomes and estimate their likelihoods

Learning intention

- conduct repeated chance experiments including those with and without equally likely outcomes, observe and record the results; use frequency to compare outcomes...

Teach and model

- discussing and listing all the possible outcomes of an activity and conducting experiments to estimate the probabilities; for example, using coloured cards in a card...
- conducting experiments, recording the outcomes and the number of times the outcomes occur, describing the relative frequency of each outcome; for example...
- experimenting with and comparing the outcomes of spinners with equal-coloured regions compared to unequal regions; responding to questions such as “How does...

Check understanding

- Explain the main idea in conduct repeated chance experiments including those with and without equally... 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.