

That 100% represents the complete whole and use percentages to...

recognise that 100% represents the complete whole and use percentages to describe, represent and compare relative size; connect familiar percentages to their decimal and fraction equivalents

Learning intention

- recognise that 100% represents the complete whole and use percentages to describe, represent and compare relative size; connect familiar percentages to their...

Teach and model

- recognising applications of percentages used in everyday contexts; for example, the bar model used for charging devices indicating the percentage of power remaining...
- creating a model by subdividing a whole; for example, using 10 x 10 grids to represent various percentage amounts and recognising complementary percentages, such as 30%...
- creating a model by subdividing a collection of materials, such as blocks or money, to connect decimals and percentage equivalents of tenths and commonly used...

Check understanding

- Explain the main idea in that 100% represents the complete whole and use percentages to... 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.