

Choose appropriate metric units when measuring the length, mass and...

choose appropriate metric units when measuring the length, mass and capacity of objects; use smaller units or a combination of units to obtain a more accurate measure

Learning intention

- choose appropriate metric units when measuring the length, mass and capacity of objects; use smaller units or a combination of units to obtain a more accurate measure

Teach and model

- ordering metric units from the largest unit to the smallest; for example, kilometre, metre, centimetre, millimetre
- recognising that some units of measurement are better suited to some tasks than others; for example, kilometres are more appropriate than metres to measure the...
- deciding on the unit required to estimate the amount of paint or carpet for a room or a whole building; justifying the choice of unit in relation to the context and the degree of...

Check understanding

- Explain the main idea in choose appropriate metric units when measuring the length, mass and... 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.