

Standard Units of Length

Chapter 6: Measuring Length · Topic 1

Key Concept

Centimetres (cm) measure small lengths, like a pencil. Metres (m) measure medium lengths, like a room. Kilometres (km) measure long distances, like between cities.

Standard units help everyone measure the same way, so a metre in one place is the same as a metre anywhere else, unlike using hands or feet which vary by person.

1 metre = 100 centimetres, and 1 kilometre = 1000 metres, helping us convert between units when needed.

Using the right unit for the right measurement - like centimetres for small objects and kilometres for long distances - makes our measurements clear and useful.

Quick Revision Notes

- Centimetres measure small lengths.
- Metres measure medium lengths, like a room.
- Kilometres measure long distances, like between cities.
- Standard units are the same everywhere.
- 1 metre = 100 centimetres.
- 1 kilometre = 1000 metres.
- Using the right unit makes measurements clear.
- Standard units allow accurate, consistent measurement.

Practice Questions

- 1 Measure your pencil's length in centimetres.
- 2 Measure your classroom's length in metres, if possible.
- 3 Convert 3 metres to centimetres.
- 4 Convert 2000 metres to kilometres.
- 5 Find something measured in kilometres, like a road sign.
- 6 Practice converting between cm, m and km.