

Converting Units of Length

Chapter 6: Measuring Length · Topic 2

Key Concept

To convert centimetres to metres, we divide by 100, since 1 metre = 100 centimetres - so 250 cm = 2.5 m.

To convert metres to kilometres, we divide by 1000, since 1 kilometre = 1000 metres - so 2500 m = 2.5 km.

To convert the other way (metres to centimetres, or kilometres to metres), we multiply instead of divide - 3 m = 300 cm, and 4 km = 4000 m.

Practising unit conversion helps us compare and use measurements correctly in different situations, like reading a map or following a recipe.

Quick Revision Notes

- To convert cm to m, divide by 100.
- 250 cm = 2.5 m.
- To convert m to km, divide by 1000.
- 2500 m = 2.5 km.
- To convert m to cm, multiply by 100.
- To convert km to m, multiply by 1000.
- 3 m = 300 cm, and 4 km = 4000 m.
- Conversion helps compare measurements correctly.

Practice Questions

- 1 Convert 400 cm to metres.
- 2 Convert 3000 m to kilometres.
- 3 Convert 5 m to centimetres.
- 4 Convert 2 km to metres.
- 5 Solve three more length conversion problems.
- 6 Explain the conversion method in your own words.