

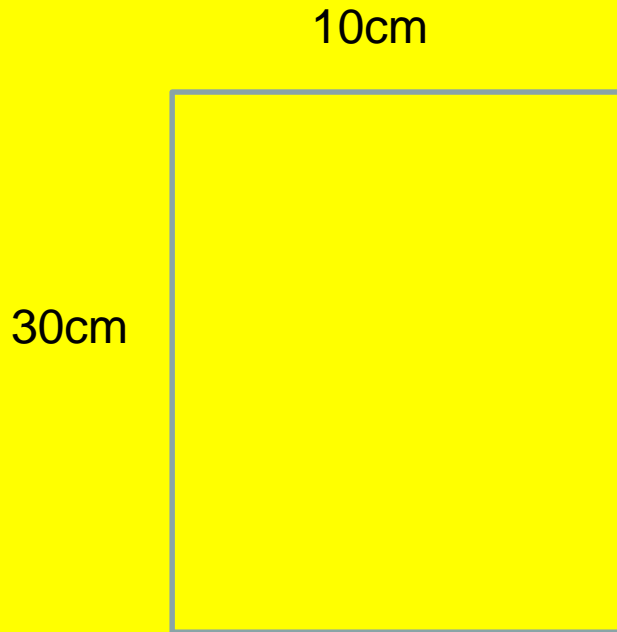
Scale Drawings

- A map cannot be of the same size as the area it represents. So, the measurements are **scaled down** to make the map of a size that can be conveniently used by users such as motorists, cyclists and bushwalkers.

Scale Drawings

- A scale drawing of a building (or bridge) has the same shape as the real building (or bridge) that it represents but a different size. Builders use scaled drawings to make buildings and bridges.

Using the Scale to Work out the Actual Size



We have made a scale drawing of the room.
The scale we have used is 1cm to 1m

What is the actual length of the room?

If the scale is 5cm to 1m, what is the actual length of the room?

Using the Scale with a Map

A map has a scale of 2cm to 1Km

The road on the map is 7.5 cm long, how long is the actual road?

A forest is 5Km across, how wide is the forest on the map?

A bridge is 10cm on the map, how long is the actual bridge?