

Calculating Map Distance

Scale = map distance / x

You can use a calculator and scrap paper to work out your answer.

Check your answers.

1 kilometre (km) = 1000 metres (m)

1 metre (m) = 100 centimetres (cm)

1 mile (mi) = 5280 feet (ft)

1 foot (ft) = 12 inches (in)

A) Unit Conversions.

You can use a calculator if you like!

B) Calculating distance using a Ratio Scale.

1) How many centimetres are there in one kilometre?

7) If the map you are using has a scale of 1:50,000, how many kilometres are represented by 8 centimetres on the map?

2) How many inches are there in one mile?

3) 4,300,200 cm = how many kilometres?

8) Given a scale of 1:250,000, how many km are represented by 12 cm on the map?

4) 42 km = how many m?

9) Given a scale of 1: 24,000, how many mi are represented by 3.2 in on the map?

5) 2100 metres = how many kilometres?

6) 3,900,000 inches = how many mi?