

Ratios - map and model scales

Name:	Class:	Date:
Mark	/ 6	%

1) The distance between two points on a map is 6.5 cm. The scale of the map is 1:1000. [1]

Find the actual distance between the two points in km.

2) The distance between two villages is 0.625 km. [1]

Find the length in centimetres between the two villages on a map with a scale of 1:5000.

3) The distance between two villages is 1.9 km. [1]

The length between the two villages on a map is 19 cm.

What is the scale of the map?

4) The length of a part on a model helicopter is 8.5 cm. The scale of the model is 1:100. [1]

Find the real length of the helicopter part in metres.

5) The length of a real part on a submarine is 0.35 m. [1]

The scale of a model submarine is 1:10.

Find the length, in centimetres, of the part on the model submarine.

6) The length of a real part on a car is 3.45 m. [1]

The length of the corresponding part on a model car is 4.6 cm.

Find the scale of the model.

Solutions for the assessment Ratios - map and model scales

1) 0.065 km

2) 12.5 cm

3) 1 : 10000

4) 8.5 m

5) 3.5 cm

6) 1 : 75