

Map Scales

ANSWERS

1

On a map, 1 cm represents 5 km.
Two villages are 3 cm apart
on the map.
Work out the real distance.

Map (cm)	Real (km)
1	5
3	15

× 3

2

On a map, 1 cm represents 2 km.
A lake is 4 cm long on the map.
Work out the real length.

Map (cm)	Real (km)
1	2
4	8

× 4

3

On a plan, 1 cm represents 10 m.
A field is 6 cm long on the plan.
Work out the real length.

Map (cm)	Real (m)
1	10
6	60

× 6

4

On a map, 1 cm represents 4 km.
A road is 5 cm long on the map.
Work out the real length.

Map (cm)	Real (km)
1	4
5	20

× 5

5

On a map, 1 cm represents 3 km.
Two towns are 7 cm apart on the map.
Work out the real distance.

Map (cm)	Real (km)
1	3
7	21

× 7

6

On a plan, 1 cm represents 5 m.
A car park is 8 cm wide on the plan.
Work out the real width.

Map (cm)	Real (m)
1	5
8	40

× 8

7

On a map, 1 cm represents 2 km.
Two towns are 12 km apart.
Work out the distance on the map.

Map (cm)	Real (km)
1	2
6	12

× 6

8

On a plan, 1 cm represents 5 m.
A park is 35 m long.
How long is the park on the plan?

Map (cm)	Real (m)
1	5
7	35

× 7

Map Scales *further practice*

ANSWERS

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On a map, 1 cm represents 4 km.
A river is 9 cm long on the map.
Work out the real length.

Map (cm)	Real (km)
1	4
9	36

$\times 9$

10



On a map, 1 cm represents 10 km.
Two cities are 80 km apart.
Work out the distance on the map.

Map (cm)	Real (km)
1	10
8	80

$\times 8$

11



On a drawing of a bus,
1 cm represents 2 m.
The bus is 6 cm long on
the drawing.
How long is the real bus?

Map (cm)	Real (m)
1	2
6	12

$\times 6$

12



On a map, 1 cm represents 5 km.
A bike ride is 45 km long.
How long is the ride on the map?

Map (cm)	Real (km)
1	5
9	45

$\times 9$

13



On a map, 1 cm represents 20 km.
Two ports are 3 cm apart
on the map.
Work out the real distance.

Map (cm)	Real (km)
1	20
3	60

Answer 60 km

14



On a map, 1 cm represents 4 km.
A walk has two parts.
They are 2 cm and 3 cm long
on the map.
How far is the whole walk?

On the map $2 + 3 = 5$ cm

Map (cm)	Real (km)
1	4
5	20

Answer 20 km

15



On a map, 1 cm represents 5 km.
Town A is 4 cm from the beach
on the map.
Town B is 25 km from the beach.
Which town is closer to the beach?

Map (cm)	Real (km)
1	5
4	20

Closer Town A (20 km)

16



On a map, 1 cm represents 5 km.
Two towns are 20 km apart.
Ali says they are 100 cm apart
on the map.
What has he done wrong?

Ali has

multiplied 20 by 5

Map (cm)	Real (km)
1	5
4	20

Right answer 4 cm