

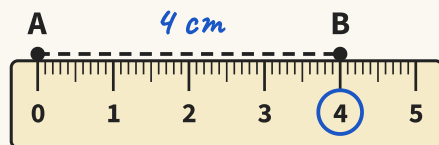
Map Scales: Measuring

ANSWERS

1

Find the real distance from A to B.

Scale: 1 cm represents 5 km



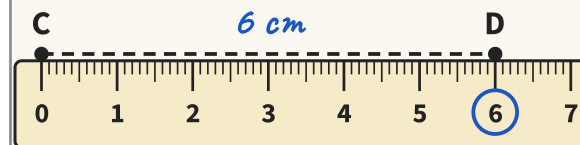
Map (cm)	Real (km)
1	5
4	20

× 4

2

Find the real distance from C to D.

Scale: 1 cm represents 2 km



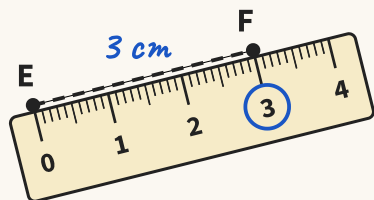
Map (cm)	Real (km)
1	2
6	12

× 6

3

Find the real distance from E to F.

Scale: 1 cm represents 10 km



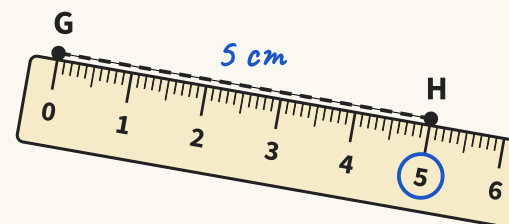
Map (cm)	Real (km)
1	10
3	30

× 3

4

Find the real distance from G to H.

Scale: 1 cm represents 5 km



Map (cm)	Real (km)
1	5
5	25

× 5

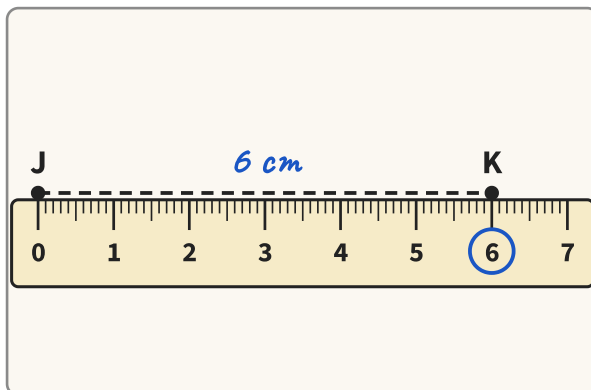
Map Scales: Measuring

ANSWERS

5

Find the real distance from J to K.

Scale: 1 cm represents 3 km



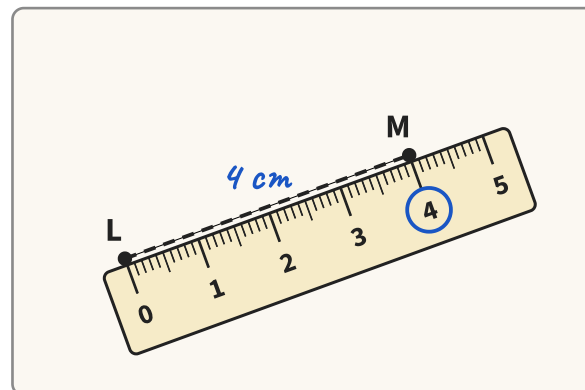
Map (cm)	Real (km)
1	3
6	18

× 6

6

Find the real distance from L to M.

Scale: 1 cm represents 6 km



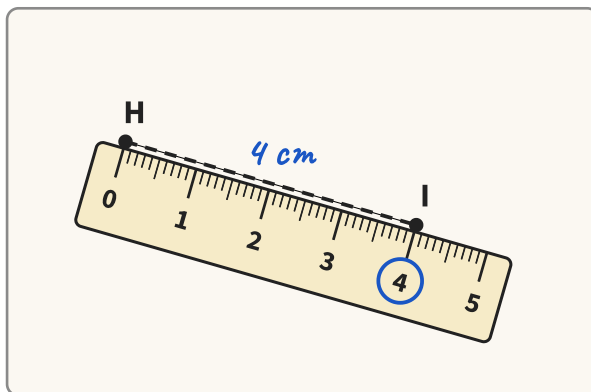
Map (cm)	Real (km)
1	6
4	24

× 4

7

A boat sails from the harbour H to the island I. How far does it sail in real life?

Scale: 1 cm represents 7 km



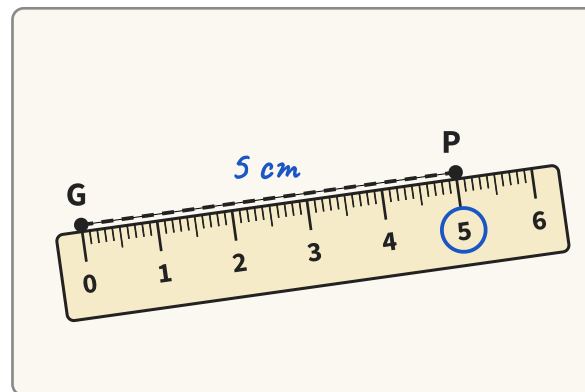
Map (cm)	Real (km)
1	7
4	28

× 4

8

How long is the path from the gate G to the pond P in real life?

Scale: 1 cm represents 10 m



Map (cm)	Real (m)
1	10
5	50

× 5

Map Scales: Measuring *further practice*

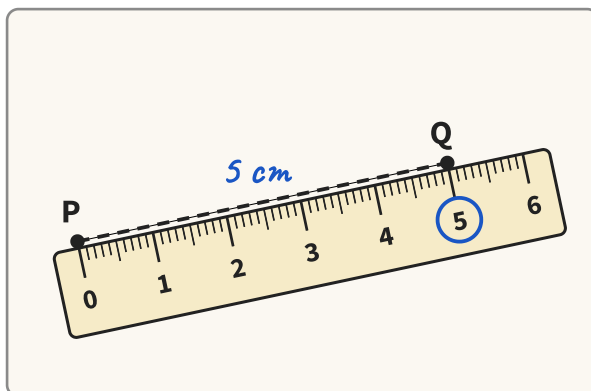
ANSWERS

9

Find the real distance from P to Q.



Scale: 1 cm represents 8 km



Map (cm) Real (km)

1	8
5	40

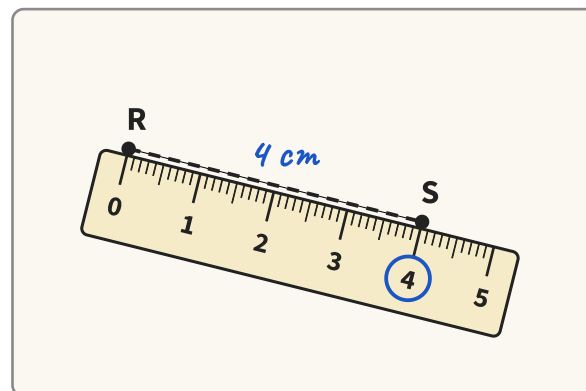
× 5

10

Find the real distance from R to S.



Scale: 1 cm represents 20 km



Map (cm) Real (km)

1	20
4	80

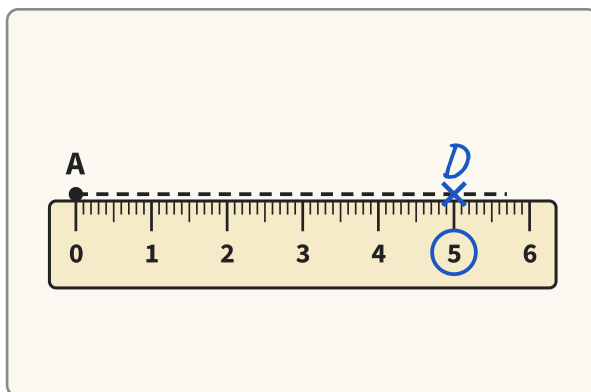
× 4

11

D is 15 km from A along the line. Mark D on the map.



Scale: 1 cm represents 3 km



Map (cm) Real (km)

1	3
5	15

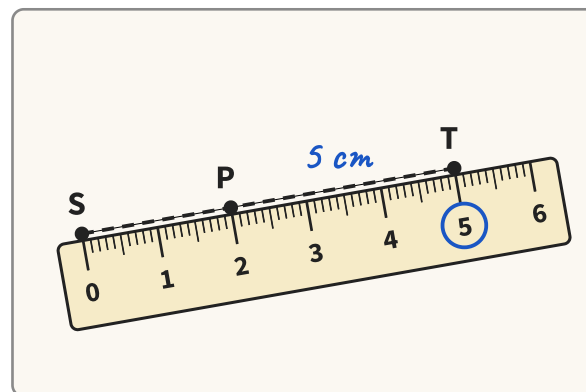
× 5

12

A bus goes from S, past P, to T. How far is it from S to T in real life?



Scale: 1 cm represents 2 km



Map (cm) Real (km)

1	2
5	10

× 5

Map Scales: Measuring *further practice*

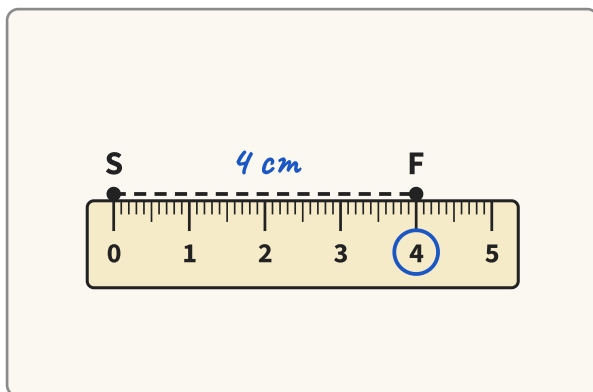
ANSWERS

13



Scale: 1 cm represents 50 m

The plan shows a school field. How long is the race from the start S to the finish F?



S to F on the map

4 cm

Real distance

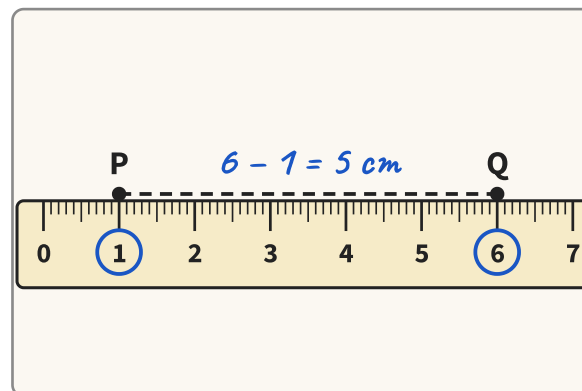
$$4 \times 50 = 200 \text{ m}$$

14



Scale: 1 cm represents 3 km

P is not at 0 on the ruler. How far is it from P to Q in real life?



P to Q on the map

$$6 - 1 = 5 \text{ cm}$$

Real distance

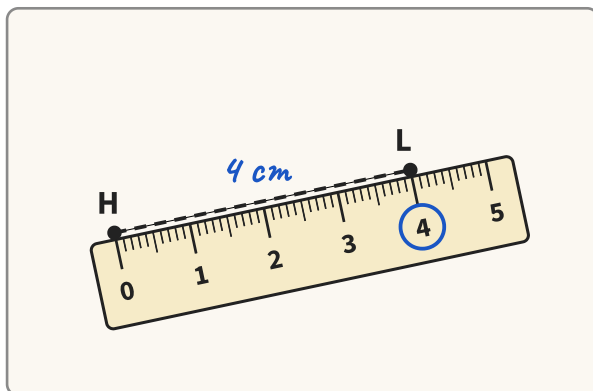
$$5 \times 3 = 15 \text{ km}$$

15



Scale: 1 cm represents 2 km

Kim cycles from her home H to the lake L and back again. How far does she cycle in real life?



H to L

$$4 \text{ cm, so } 4 \times 2 = 8 \text{ km}$$

There and back

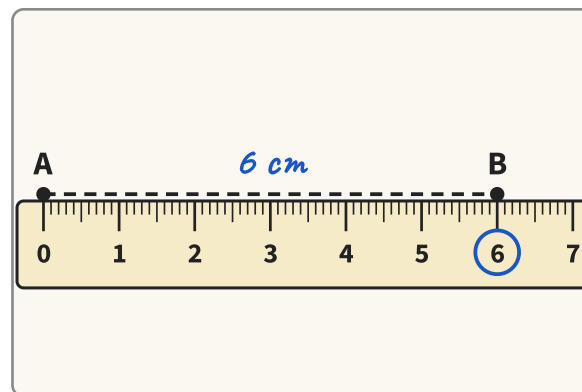
$$8 + 8 = 16 \text{ km}$$

16



Scale: 1 cm represents 5 km

Sam says A to B is 11 km in real life. What has he done wrong?



Sam has

added 6 + 5.
He should multiply.

A to B is

$$6 \times 5 = 30 \text{ km}$$