

Calculation of Area

1. The distance between city A and city B is 165 km.

What would be the distance between these two cities on a map with a scale of:

(a) 1 : 500000	cm
(b) 1 : 1000000	cm
(c) 1 : 300000	cm
(d) 1 : 150000	cm

2. The scale of a map is given as 1: 50000. Two villages are 5 cm apart on the map.
Find the actual distance between them.

3. A map has a scale of 1: 50 000. A park is shown on the map as a rectangle measuring 6 cm by 4.2 cm. What is the actual area of the park?
4. On a map, a distance of 40 km, is represented by 32 cm. What actual distance would be represented by 8 cm on the map?
5. A tower is 2 km due north of a church. A windmill is 5 km east of the tower.

Tower ●

● Windmill

Church ●

A map is to be drawn with a scale of 1 : 25 000.

- (a) What will be the distance on the map between the church and the tower?
- (b) What will be the distance on the map between the tower and the windmill?

Answer

1. A) 33cm
B) 16.5 cm
C) 55 cm
D) 110 cm
2. Actual distance is 2500m or 2.5 km.
3. 6.3 km^2
4. 10 km
5. A) 8
B) 20