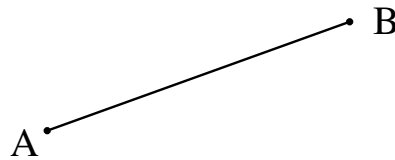


# Scale Diagrams & Maps



- i. A map has a scale of 1cm : 3 miles. On the map, the distance between two towns is 9cm.  
What is the actual distance between the two towns? Include units for your answer.
- ii. A map has a scale of 1cm : 4 kilometres. The actual distance between two cities is 56 kilometres.  
What is the distance between the cities on the map?
- iii. A map has a scale of 1cm represents 50 metres. Express this scale as a ratio.
- iv. The diagram below shows a scale drawing. Use the diagram to calculate the actual distance from A to B.



Scale: 1cm to 10km

- v. Shown below is a scale drawing of the outline of an island.  
Each square on the grid has an area of  $1\text{cm}^2$  and the scale is  $1\text{cm}^2$  represents  $10\text{km}^2$ .  
Find an estimate for the area of the island.

