

Student activities:

Maps are drawn using a scale. The scale on a map helps measure distance between places and relates them to real life distances.

Understanding the scale line - the basics:

- Using the scale line on the map below, how many cm is 10km?
.....
- Using the scale line on the map below, what distance does 1cm represent in km?
.....
- Draw a scale line here and mark on the distance every 1cm, put km (real life distance) above the line and cm (scale distance) below the line:

My scale line:



Scale questions:

Complete the following question using the scale from the map:

- What distance is the Isle of Man from Kitterland to Point of Ayre?
.....
- How wide is the Isle of Man at its widest point?
.....
- What is the distance between the cities:
Douglas and Ramsey?
Peel and Castletown?
- If you were to draw a line joining all four cities, what would this distance be?
.....
- Estimate the distance around the whole of the Isle of Man.
.....

Teacher answers:

Understanding the scale line - the basics:

1. Using the scale line on the map below, how many cm is 10km? **2cm**
2. Using the scale line on the map below, what distance does 1cm represent in km? **5km**
3. Draw a scale line here and mark on the distance every 1cm, put km (real life distance) above the line and cm (scale distance) below the line. **Student should have marked on the line every 1cm and each 1cm increment should be 5km (5 - 10 - 15 - 20 - 25km etc.).**

Scale questions:

Complete the following question using the scale from the map:

1. What distance is the Isle of Man from Kitterland to Point of Ayre? **Approx. 50km**
2. How wide is the Isle of Man at its widest point? **Approx. 22.5km**
3. What is the distance between the cities:
Douglas and Ramsey? **Approx. 20km**
Peel and Castletown? **Approx. 17.5km**
4. If you were to draw a line joining all four cities, what would this distance be? **Approx. 77.5km**
5. Estimate the distance around the whole of the Isle of Man. **Anywhere from 120 - 160km is a good approximation.**

Picture credit:

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