

Scale Drawings Past Paper Questions



Questions

Q1.

A map has a scale of 1 cm to 14 km.

On the map, the distance between Manchester and London is 18.8 cm.

What is the real distance, in km, between Manchester and London?

..... km

(Total for question = 2 marks)

Q2.

On a scale drawing, a building has length 12.4 cm and width 9.4 cm.

The real length of the building is 62 metres.

Work out, in metres, the real width of the building.

..... metres

(Total for question = 3 marks)



Q3.

The length of a plane is 19.2 metres.

Lukas buys a scale model of the plane.

The scale of the model is 1 : 24

Work out the length of the scale model of the plane.

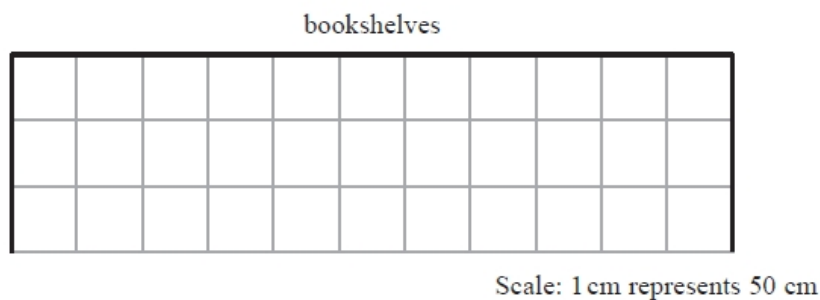
Give your answer in centimetres.

..... centimetres

(Total for question = 3 marks)

Q4.

The scale diagram shows part of the plan of a classroom.



Mr Khan wants to put bookshelves along the complete length of the wall labelled "bookshelves".

There are two sizes of bookshelves.

Large bookshelves are 150 cm wide.

Small bookshelves are 100 cm wide.

(i) Work out how many large bookshelves and how many small bookshelves Mr Khan can put along the complete length of the wall.

..... large

..... small

Both the large bookshelves and the small bookshelves are 50 cm from front to back.

(ii) Draw these bookshelves on the scale drawing to show how they will fit.

(Total for question = 4 marks)

Q5.



Here is a scale drawing of the plan of a room.



Scale: 2 cm represents 1 m

Work out the total length around the edge of the room.
Give your answer in metres.

..... metres

(Total for question = 3 marks)

Q6.

The diagram shows the positions of White Tor and Gilly Tor on a map.



The scale of the map is 1 centimetre represents 2.5 kilometres.

Work out the real distance between White Tor and Gilly Tor.

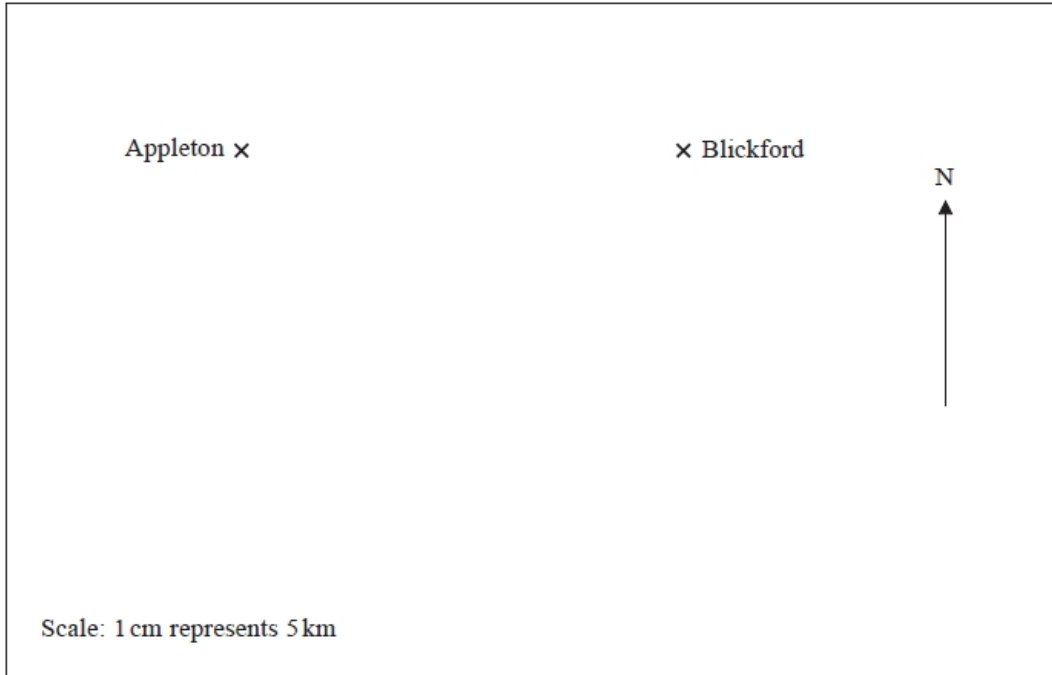
.....kilometres

(Total for question = 2 marks)

Q7.



Here is part of an accurately drawn map showing two towns, Appleton and Blickford.



(a) Find, in kilometres, the real distance between Appleton and Blickford.

..... km
(2)

Cookwood is a town 22 km due South of Blickford.

(b) On the map, mark with a cross (×) the position of Cookwood.

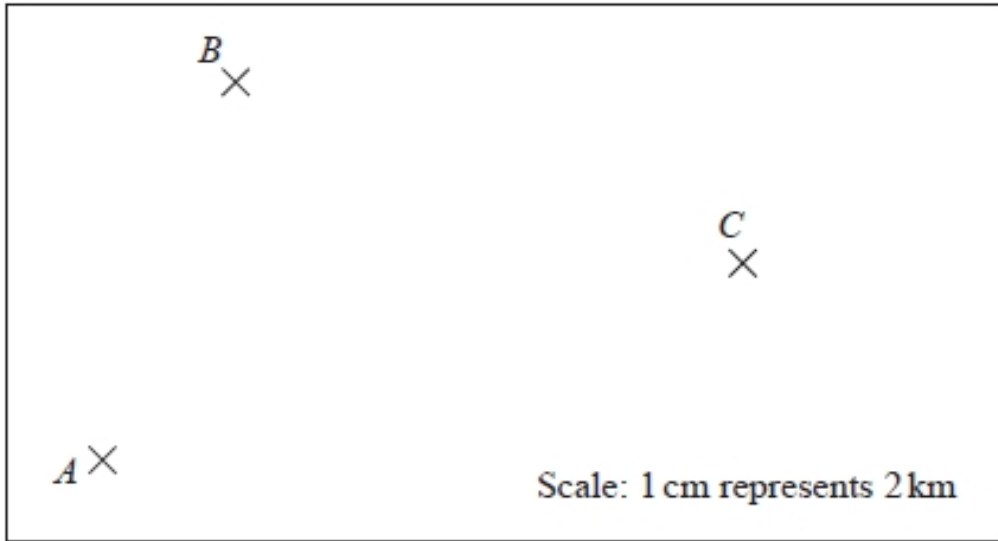
(2)

(Total for question = 4 marks)

Q8.



This accurate scale drawing shows the positions of three villages, *A*, *B* and *C*.



Tom walks from *A* to *B*.

He then walks from *B* to *C*.

Amy walks from *A* to *C*.

Tom walks more kilometres than Amy walks.

How many more?

..... km

(Total for question = 3 marks)