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Answer ALL TWENTY THREE questions.

Write your answers in the spaces provided.

You must write down all the stages in your working.

- 1** A plane has a length of 73 metres.

A scale model is made of the plane.

The scale of the model is 1 : 200

Work out the length of the scale model.

Give your answer in centimetres.

..... cm

(Total for Question 1 is 3 marks)



- 5 The scale drawing shows the position of a hall and the position of a library.



Scale: 1 cm represents 20 metres

A post box is 140 metres from the library on a bearing of 220°

- (a) Show the position of the post box on the scale drawing.
Mark the position with a cross (X) and label it *P*.

(2)

- (b) Use your scale drawing to find

- (i) the real distance, in metres, of the hall from the post box,

..... m

- (ii) the bearing of the hall from the post box.

.....
..... °

(2)

(Total for Question 5 is 4 marks)

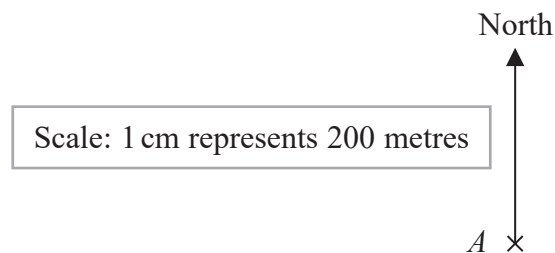
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- 5 The scale diagram shows the position on a map of a house, A



House C is on a bearing of 110° from A
 The distance from A to C is 700 m

- (a) Mark the position of C on the diagram with a cross (\times)
 Label your cross C

(3)

- (b) Write the scale of the map in the form $1:n$

1 :
 (1)

(Total for Question 5 is 4 marks)



- 3 The bearing of Paris from London is 149°

Work out the bearing of London from Paris.

(Total for Question 3 is 2 marks)

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