



EXAM PAPERS PRACTICE

GCSE OCR Math J560

Bearings & Scale

Question Paper

*"We will help you to
achieve A Star "*



Question 1

(b) Measure the bearing of H from L .

[1 mark]

Question 2

The diagram shows the positions of three turbines A , B and C .

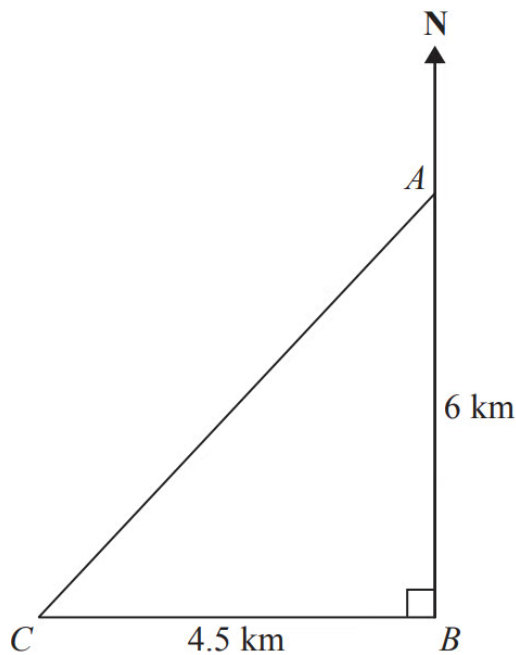


Diagram **NOT**
accurately drawn

A is 6 km due north of turbine B .
 C is 4.5 km due west of turbine B .

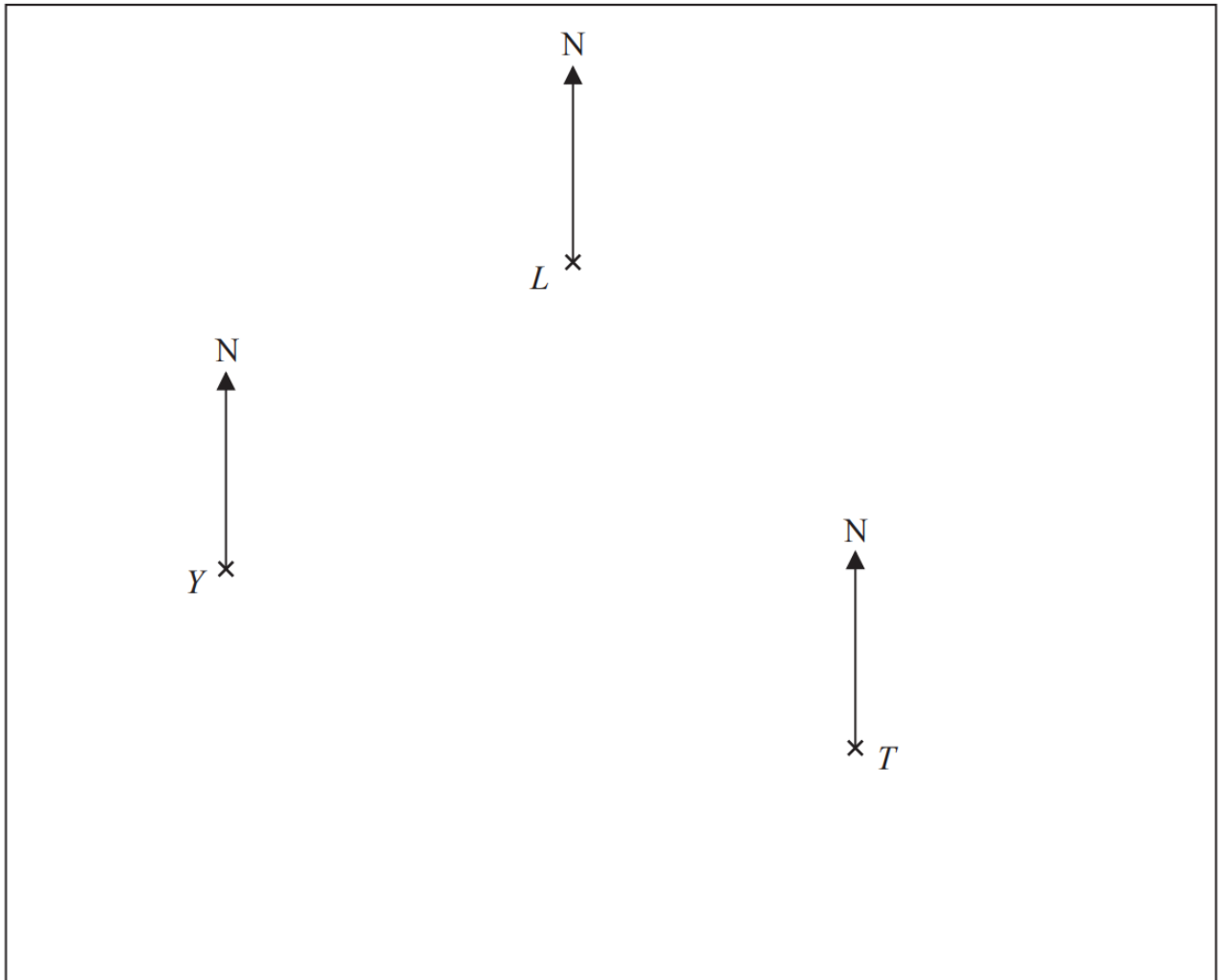
(a) Calculate the distance AC .

[3 marks]



Question 3

The diagram shows the positions of a lighthouse L , a yacht Y and a tanker T on a map.



Scale 1 cm represents 10 km

- (a) Measure the bearing of L from Y .

[1 mark]



Question 4

The diagram shows the position of two churches, *A* and *B*.



Church *C* is on a bearing of 130° from church *A*.

Church *C* is on a bearing of 245° from church *B*.

In the space above, draw an accurate diagram to show the position of church *C*.

Mark the position of church *C* with a cross (\times).

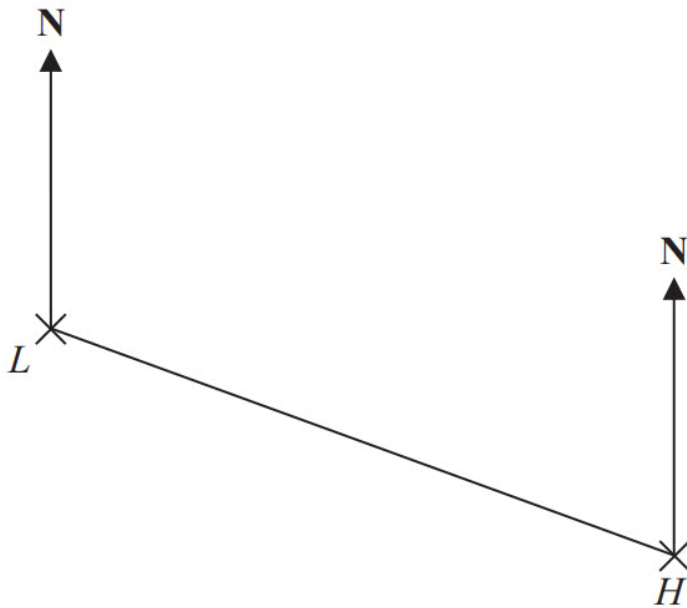
Label it *C*.

[3 marks]



Question 5

The diagram shows the position of a lighthouse L and a harbour H .



The scale of the diagram is 1 cm represents 5 km.

(a) Work out the real distance between L and H .

[1 mark]

Question 6

A boat B is 20 km from H on a bearing of 040° .

(c) On the diagram, mark the position of boat B with a cross (\times).
Label it B .

[2 marks]



Question 7

- (b) Calculate the bearing of C from A .
Give your answer correct to the nearest degree.

[4 marks]

Question 8

The tanker, T , sails 80 km on a bearing of 320° .

- (b) Find the distance, in km, between the tanker and the lighthouse when the tanker is closest to the lighthouse.

[2 marks]