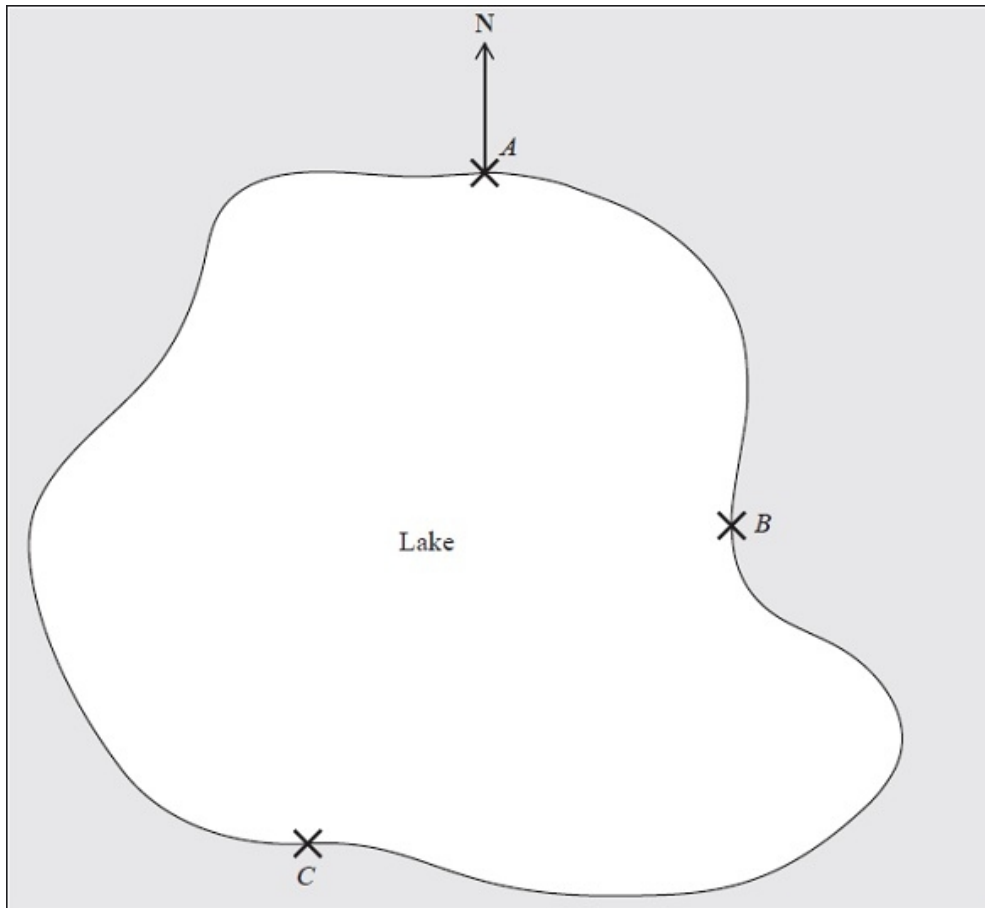


G144 Bearings

Q1.

The map shows the positions of three places A , B and C on the edge of a lake.



Scale 1 cm represents 2 km

(a) Find the bearing of B from A .

..... °
(1)

A ferry travels in a straight line from A to B . It then travels in a straight line from B to C .
A speedboat travels in a straight line from A to C .

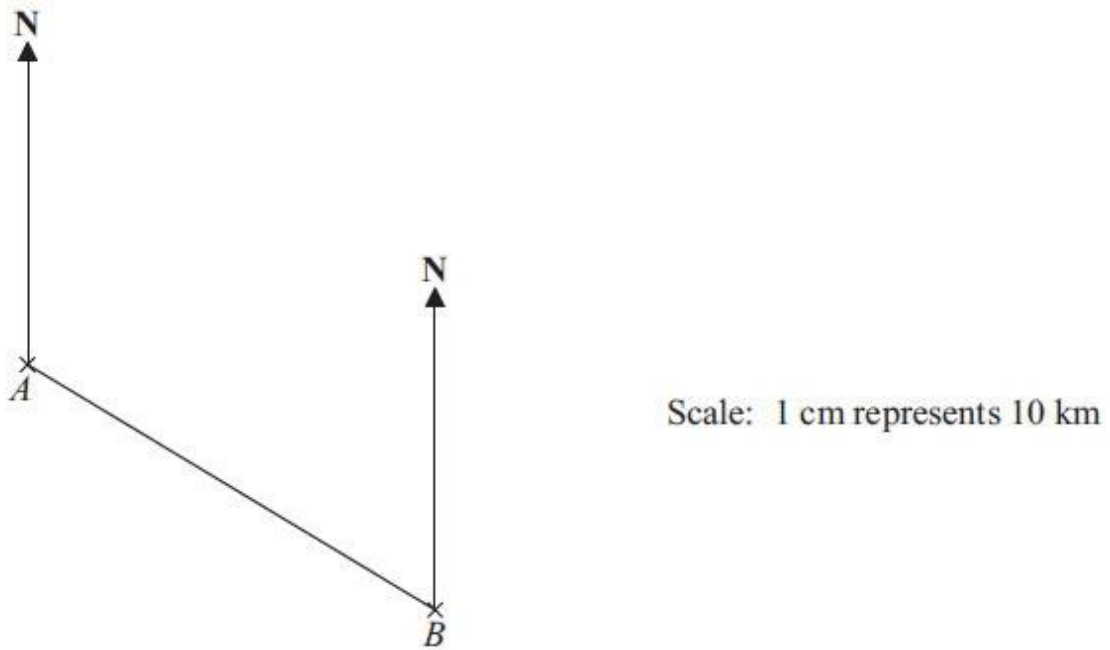
(b) How many more kilometres does the ferry travel than the speedboat?
You must show your working.

..... km
(4)

(Total for Question is 5 marks)

Q2.

The scale diagram shows the positions of two towns, *A* and *B*.



(a) Measure and write down the bearing of town *B* from town *A*.

..... (1)

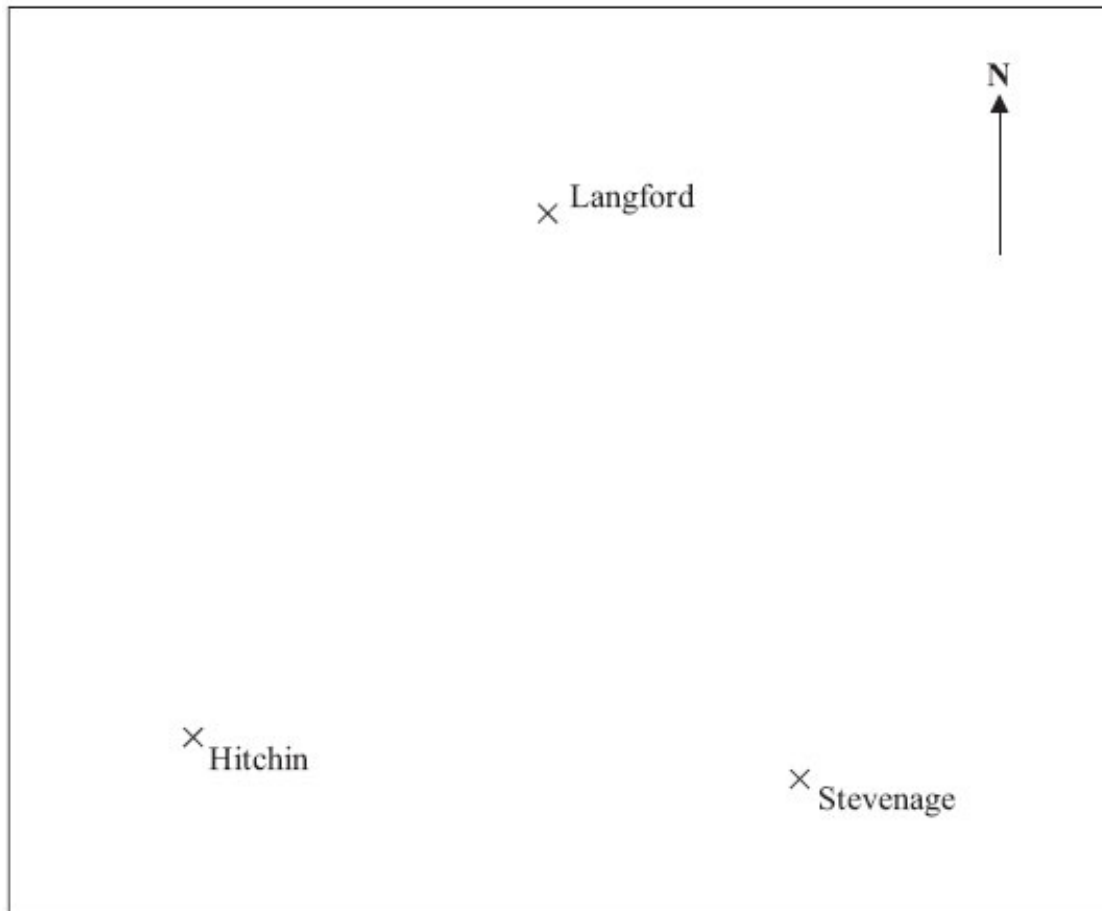
(b) What is the real distance from town *A* to town *B*?
Give your answer in km.

..... (3)

(Total for Question is 4 marks)

Q3.

Here is a map showing three towns.



Scale: 1 cm represents 1 km.

(a) Work out the real distance from Hitchin to Langford.

..... (1)

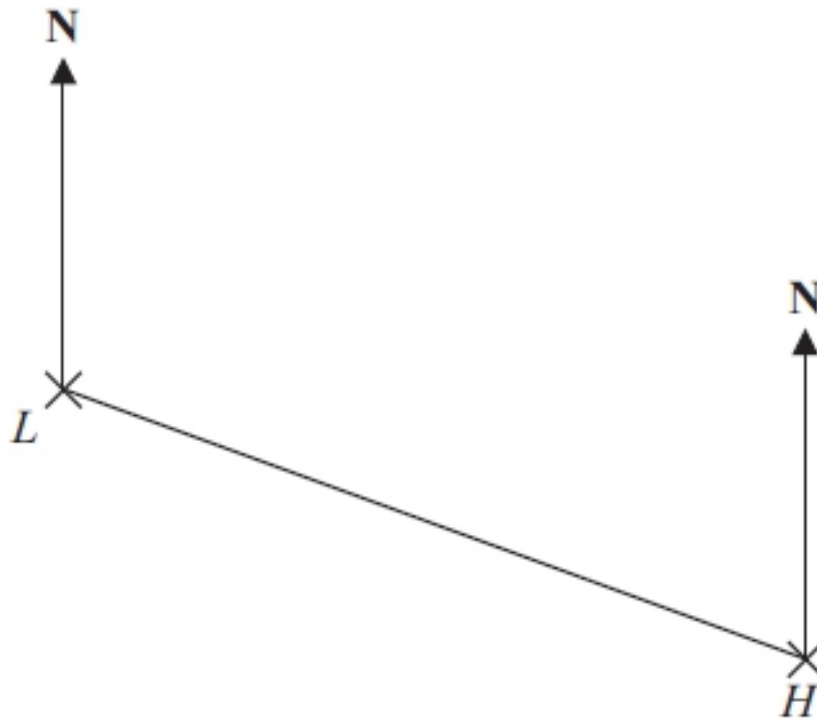
(b) Measure the bearing of Stevenage from Langford.

..... (2)

(Total for Question is 3 marks)

Q4.

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 .

..... km
(1)

(b) Measure the bearing of H from L .

.....°
(1)

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 (x).
Label it B .

(2)

(Total for Question is 4 marks)

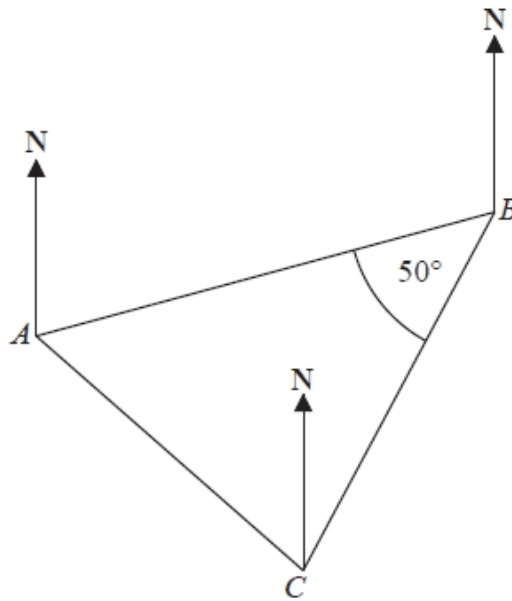
Q5.

The bearing of a ship from a lighthouse is 050°
Work out the bearing of the lighthouse from the ship.

.....^o
(Total for Question is 2 marks)

Q6.

The diagram shows the positions of three points, A , B and C , on a map.

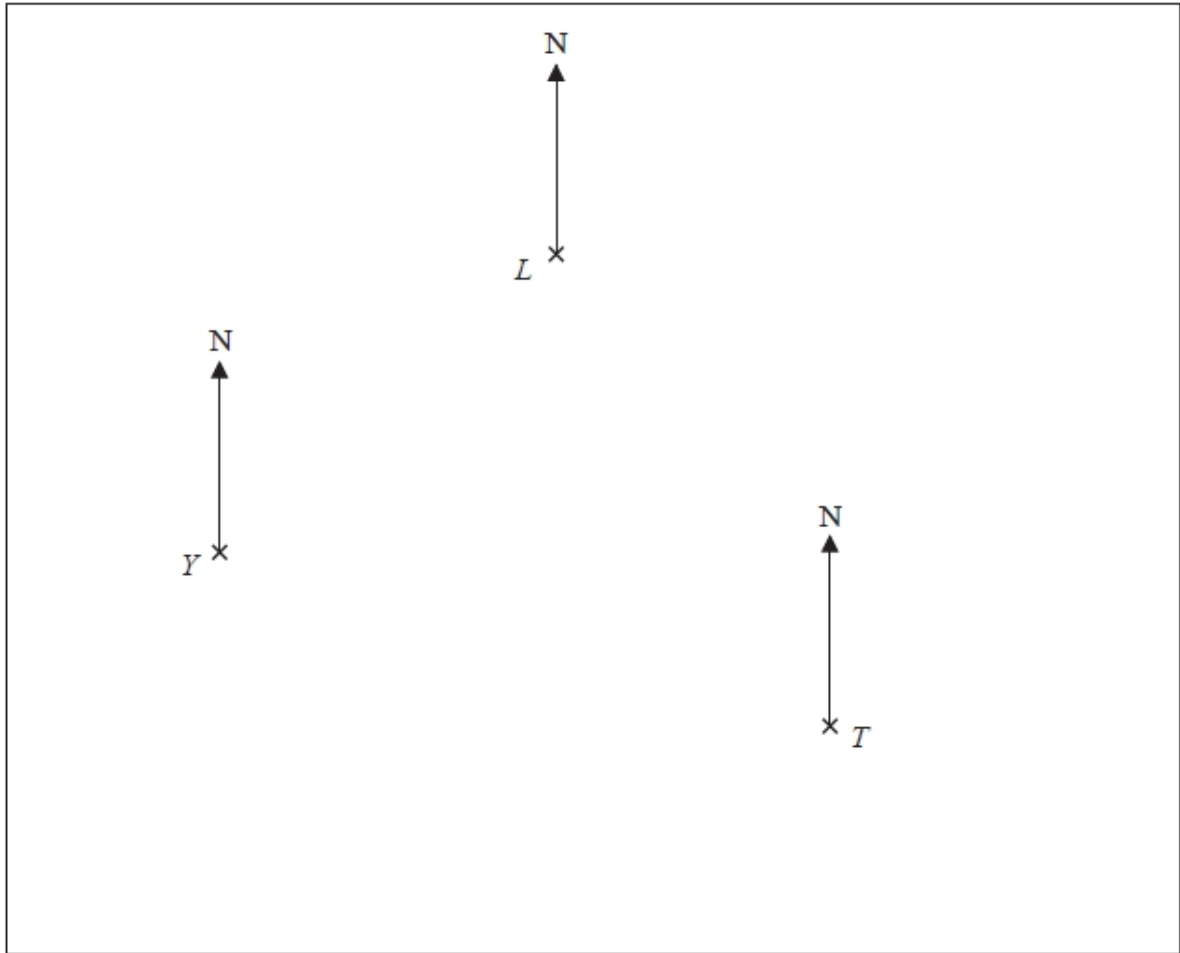


The bearing of B from A is 070°
Angle ABC is 50°
 $AB = CB$
Work out the bearing of C from A .

.....^o
(Total for question is 3 marks)

Q7.

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)

The tanker, T , sails 70 km on a bearing of 320° .

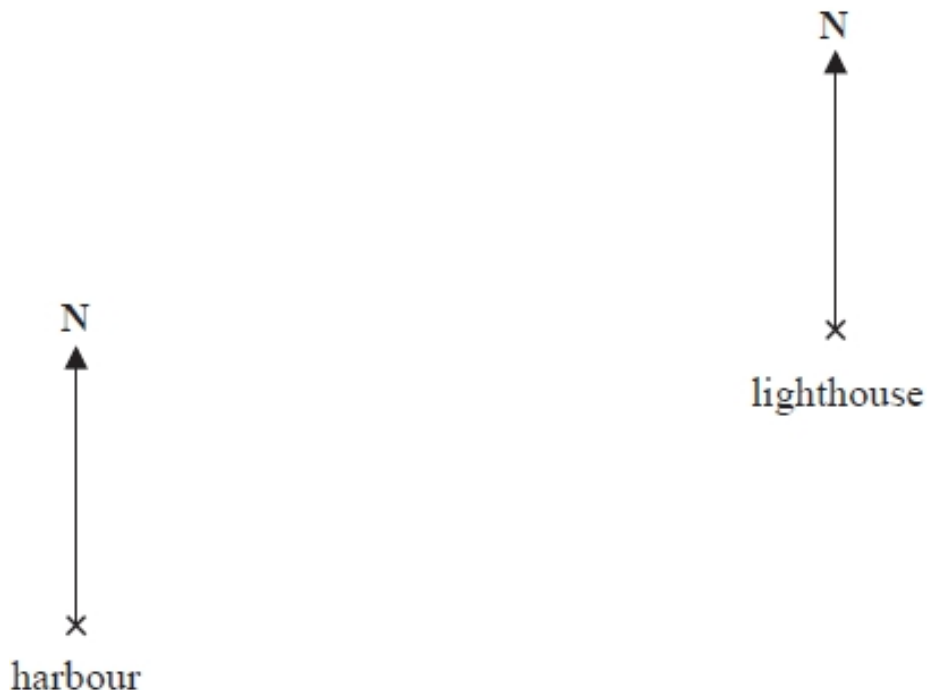
(b) Find the distance, in km, between the tanker and the lighthouse when the tanker is closest to the lighthouse.

..... km
(2)

(Total for question = 3 marks)

Q8.

The diagram shows the positions of a lighthouse and a harbour on a map.



A boat is on a bearing of

300° from the lighthouse
040° from the harbour.

(a) On the diagram, mark with a cross (x) the position of the boat.
Label the boat *B*.

(3)

The scale of the map is 1 cm represents 50 000 cm.

(b) Work out the real distance from the harbour to the lighthouse.
Give your answer in km.

.....km

(2)

(Total for question = 5 marks)

Q9.

The diagram shows the position of two boats, *B* and *C*.



Boat *T* is on a bearing of 060° from boat *B*.

Boat *T* is on a bearing of 285° from boat *C*.

In the space above, draw an accurate diagram to show the position of boat *T*.

Mark the position of boat *T* with a cross (x). Label it *T*.

(Total for Question is 3 marks)