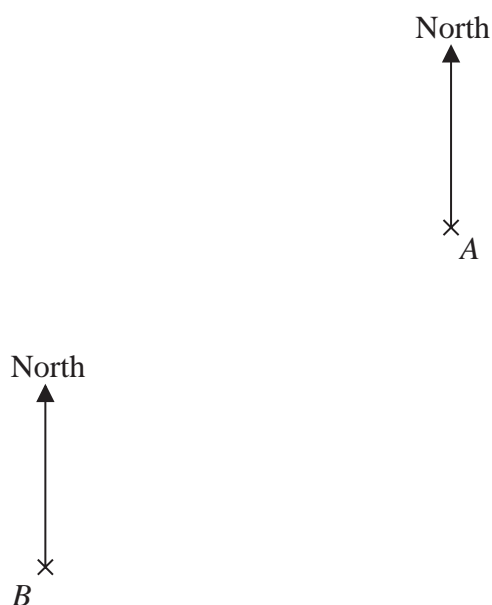


- 1 The accurate scale drawing shows the positions of two mobile phone masts, A and B .



The scale is 1 cm to 2.5 km.

- (a) Find the bearing of A from B .

.....
(1)

- (b) Work out the actual distance, in km, between A and B .

..... km
(2)

A third mobile phone mast, C , is put up.

C will be on a bearing of 115° from A .

C will be 20 km from B .

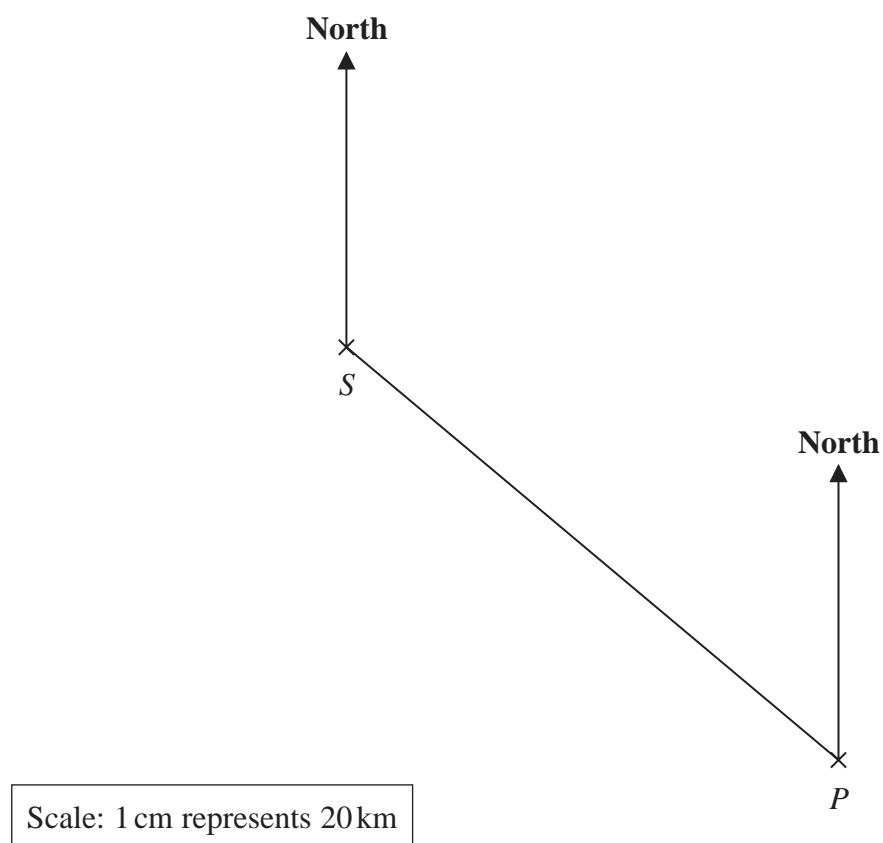
- (c) Find the position of C .

Mark this point with a cross (x) and label it C .

(3)

(Total for Question 1 is 6 marks)

2 The scale drawing shows the positions of a ship, S , and a port, P .



(a) Find the bearing of S from P .

(1)

(Total for Question 2 is 1 marks)

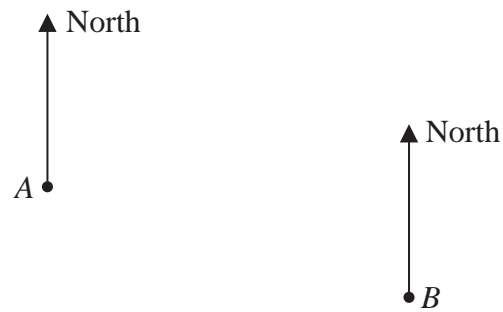
3 The bearing of Paris from London is 149°

Work out the bearing of London from Paris.

○

(Total for Question 3 is 2 marks)

- 4 The scale diagram shows the positions of a post office (A) and a police station (B) in a town.



- (a) Measure the bearing of B from A .

.....
(1)

The town hall is at a position C .
The bearing of A from C is 045°

- (b) Calculate the bearing of C from A .

.....
(2)

(Total for Question 4 is 3 marks)

- 5 The diagram shows the positions of three villages, R , T and W .

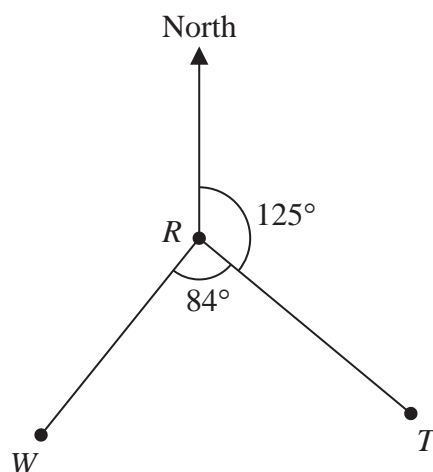


Diagram **NOT**
accurately drawn

- (a) Work out the bearing of village W from village R .

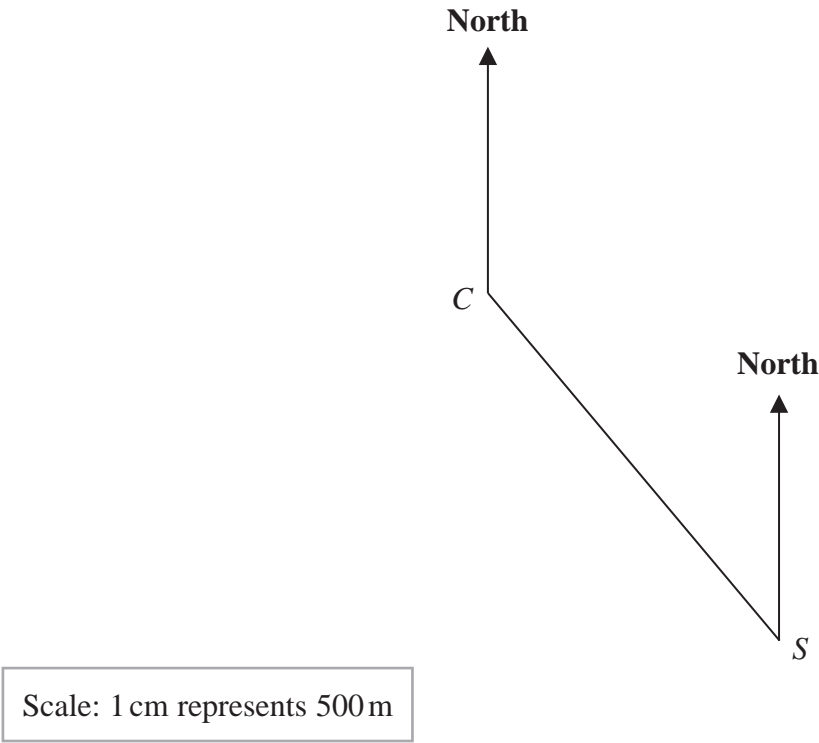
.....
(1)

- (b) Work out the bearing of village R from village T .

.....
(2)

(Total for Question 5 is 3 marks)

6 The accurate scale drawing shows the position of a college C and a train station S

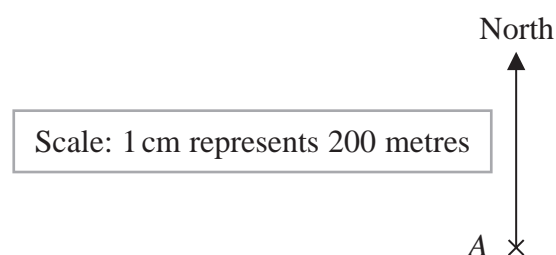


(a) Find the bearing of S from C

.....
(1)

(Total for Question 6 is 1 marks)

7 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 (×)
Label your cross C

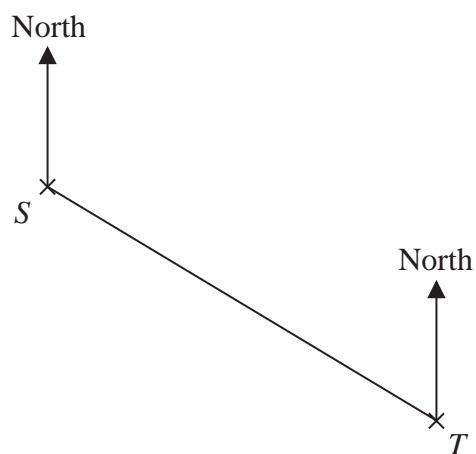
(3)

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

1 :
(1)

(Total for Question 7 is 4 marks)

8 The accurate scale drawing shows the positions of two lighthouses, S and T



The scale of the drawing is 1 cm to 2 km

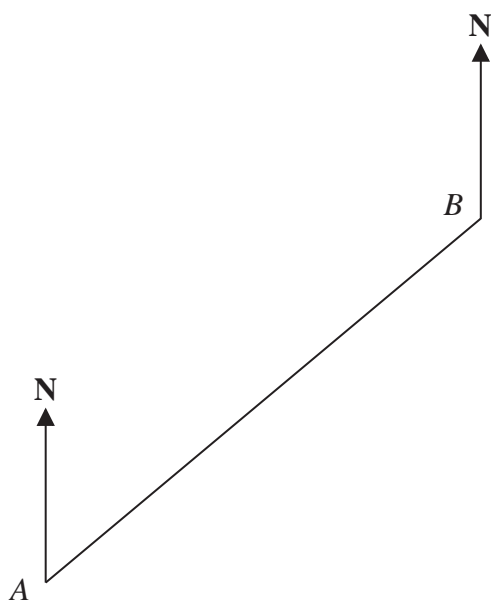
A boat is on a bearing of 084° from S
The boat is 13 km from T

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

(3)

(Total for Question 8 is 3 marks)

9 The scale drawing shows the positions of two boats, *A* and *B*



Scale: 1 cm represents 3 km

Boat *C* is on a bearing of 110° from *B*

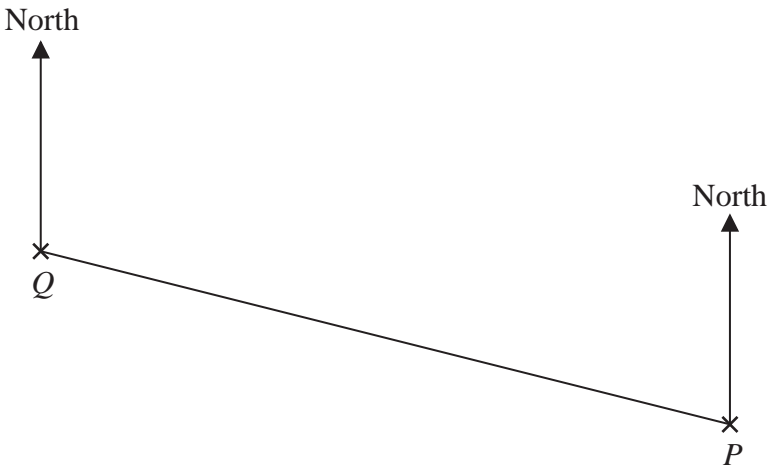
Boat *C* is 24 km from *B*

(b) On the scale drawing, mark with a cross (×) the position of boat *C*

(3)

(Total for Question 9 is 3 marks)

10 The scale drawing shows the positions of two airports P and Q



scale: 1 cm represents 50 km

(a) Find, by measuring, the bearing of P from Q

.....
(1)

A small plane flies directly from P to Q
The plane takes 2 hours to fly from P to Q

(b) Work out the average speed of the plane.
Give your answer in km/h

..... km/h
(3)