



Foundation / Higher Tier

Bearings

Instructions

- Use **black** ink or ball-point pen.
- **Fill in the boxes** at the top of this page with your name, centre number and candidate number.
- Answer **all** questions.
- Answer the questions in the spaces provided – *there may be more space than you need.*
- You must **show all your working.**
- Diagrams are **NOT** accurately drawn, unless otherwise indicated.
- If your calculator does not have a π button, take the value of π to be 3.142 unless the question instructs otherwise.

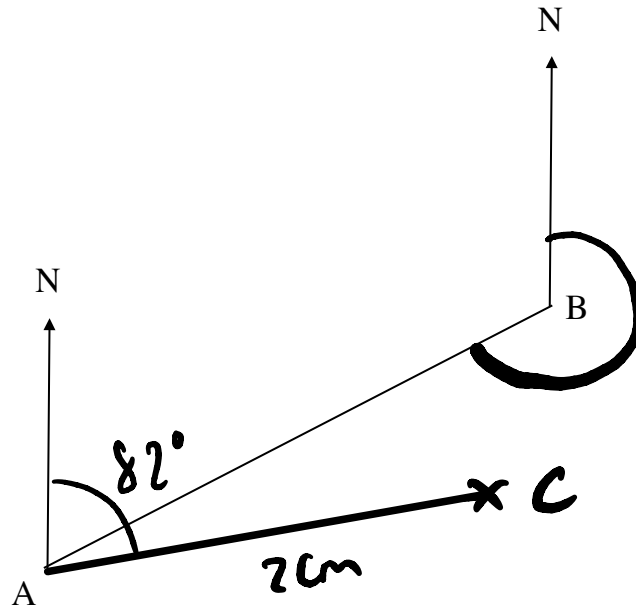
Information

- The marks for **each** question are shown in brackets- *use this as a guide as to how much time to spend on each question.*

Advice

- Read each question carefully before you start to answer it.
 - Keep an eye on the time.
 - Try to answer every question.
 - Check your answers if you have time at the end.
-

1. A and B represent two places on a map.



a. Measure the bearing of A from B

245°

(1)

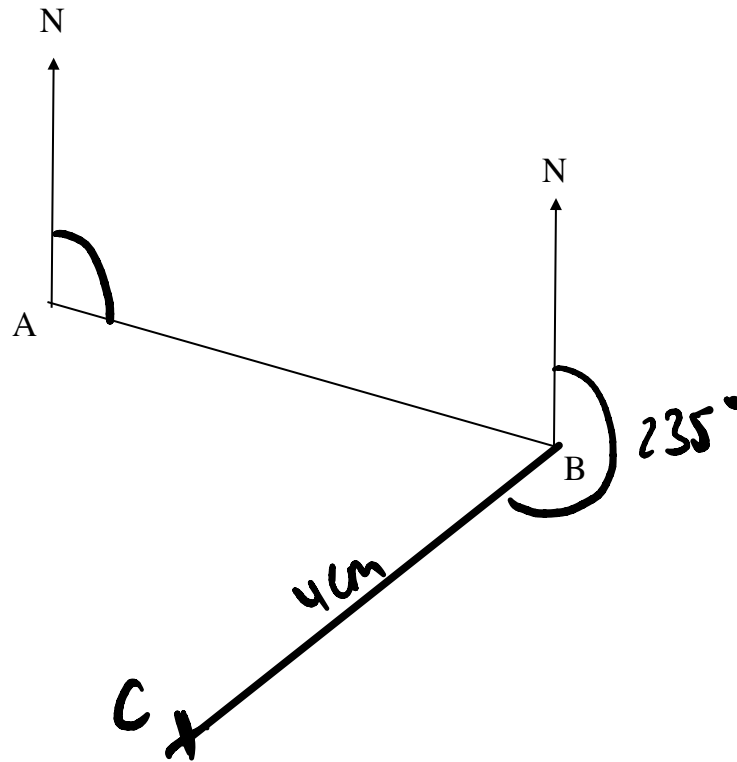
b. C lies 2cm from A on a bearing of 082° from A.

On the diagram, mark C with a cross and label it C.

(2)

(Total for Question 1 is 3 marks)

2. A and B represent two places on a map.



a. Measure the bearing of B from A

.....
 100°
(1)

b. C lies 4 cm from A on a bearing of 235° from B.

On the diagram, mark C with a cross and label it C.

(2)

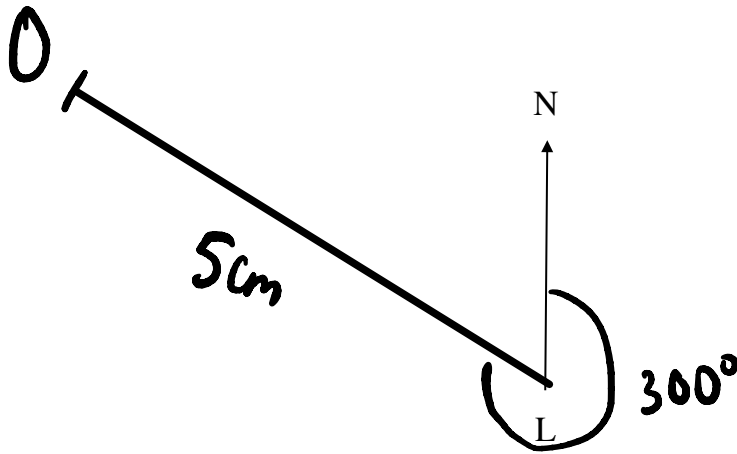
(Total for Question 2 is 3 marks)

3. The diagram shows the position of London.

Oxford is 50 miles away from London on a bearing of 300° .

Mark the position of Oxford on the diagram.

Scale: 1 cm represents 10 miles.



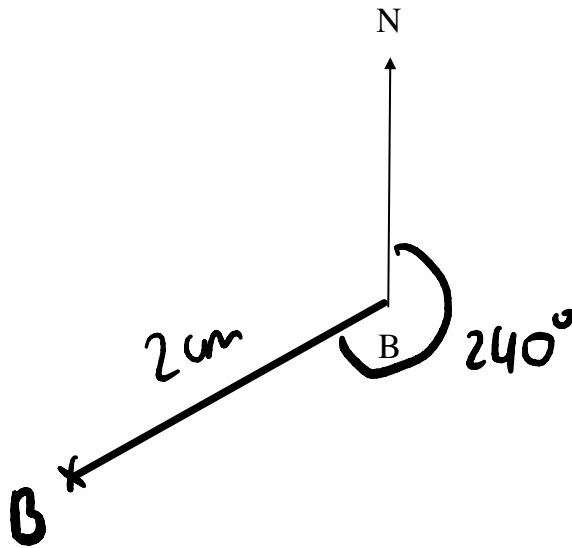
(Total for Question 3 is 2 marks)

4. The diagram shows the position of Bristol.

Cardiff is 40 miles away from Bristol on a bearing of 240° .

Mark the position of Cardiff on the diagram.

Scale: 1cm represents 20 miles.



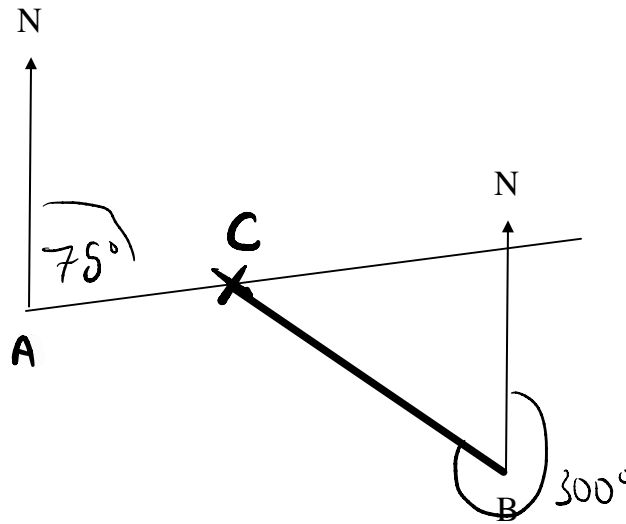
(Total for Question 4 is 2 marks)

5. The accurate scale drawing shows the positions of lighthouse A and lighthouse B.

Lighthouse C is on a bearing of 075° from A.

Lighthouse C is on a bearing of 300° from B.

On the diagram, mark with a cross (×) the position of lighthouse C.

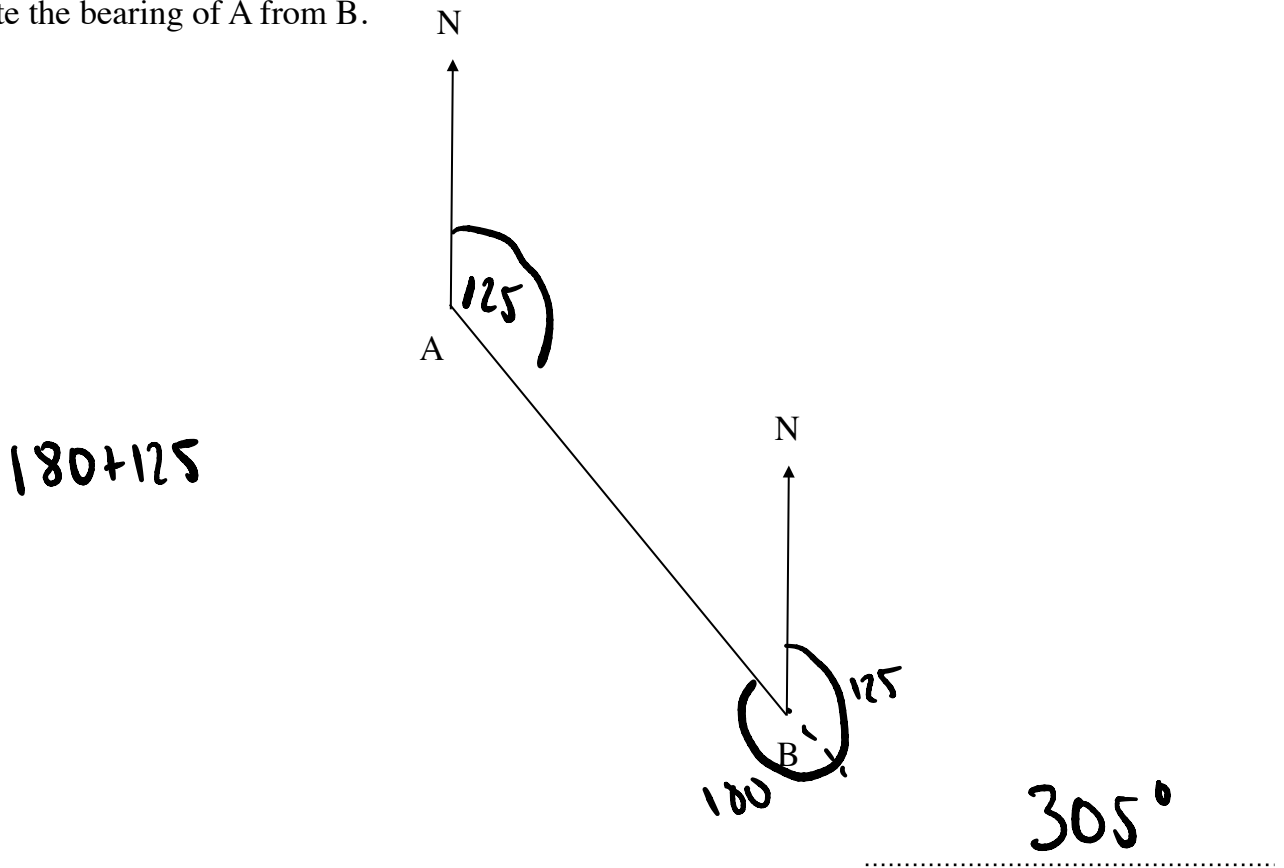


(Total for Question 5 is 2 marks)

6. The diagram shows the position of two ships, A and B.

The bearing of B from A is 125° .

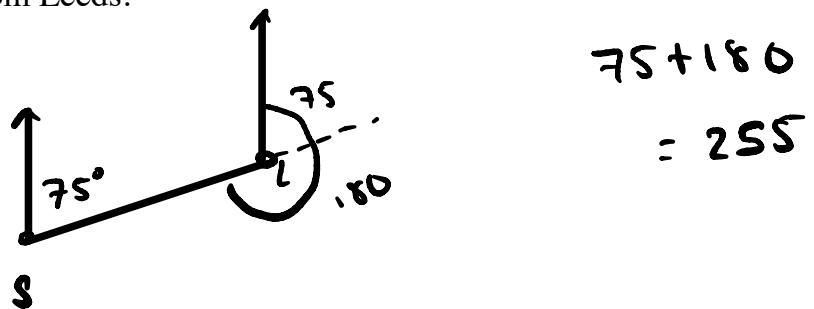
Calculate the bearing of A from B.



(Total for Question 6 is 2 marks)

7. Leeds is on a bearing of 075° from Sheffield.

Find the bearing of Sheffield from Leeds.

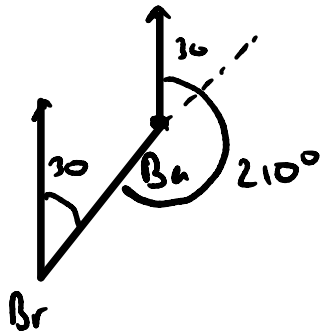


255°

(Total for Question 7 is 2 marks)

8. Bristol is on a bearing of 210° from Bath.

Find the bearing of Bath from Bristol.

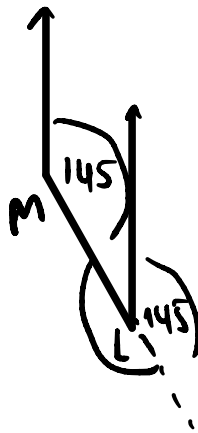


030°

(Total for Question 8 is 2 marks)

9. Liverpool is on a bearing of 145° from Manchester.

Find the bearing of Manchester from Liverpool.



$$180 + 145 \\ = 325$$

325°

(Total for Question 9 is 2 marks)