



JP Maths

Revision



Attempt the paper
before watching the
solutions!

[https://www.youtube.com/
@JPMathsRevision](https://www.youtube.com/@JPMathsRevision)



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.*



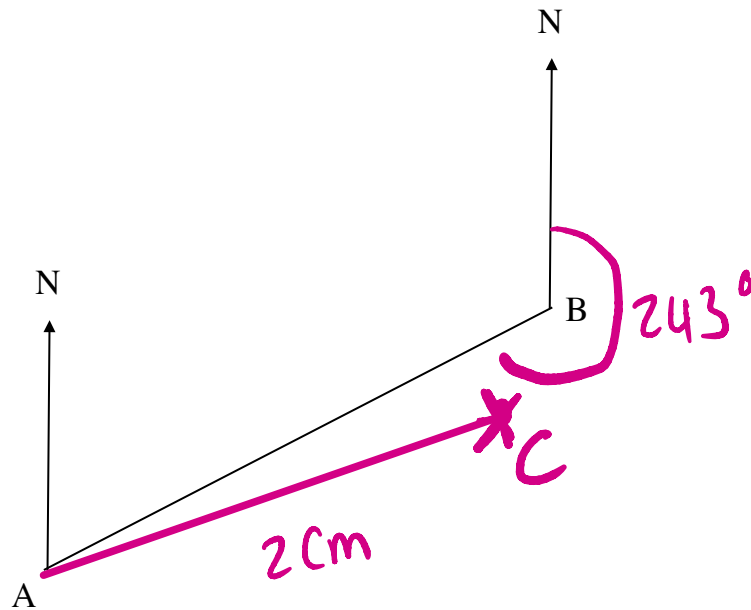
ADVICE

- 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.



You've got this!

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



- a. Measure the bearing of A from B

243°
.....
(1)

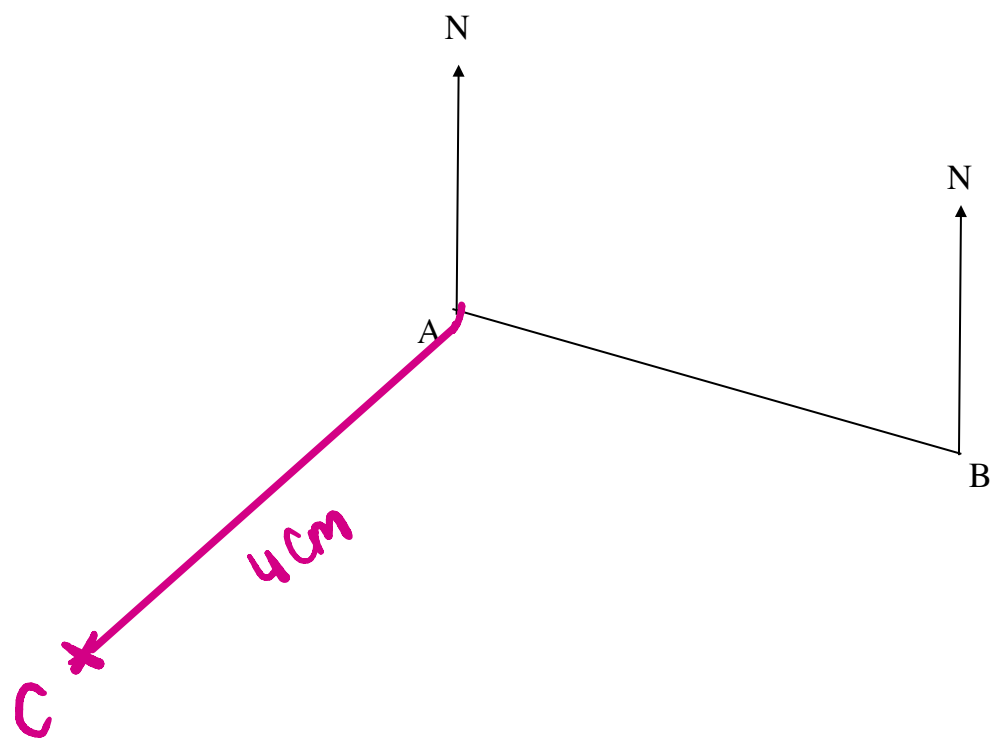
- b. C lies 2cm from A on a bearing of 082° from A.

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

105°
(1)

b. C lies 4 cm from A on a bearing of 235°.
On the diagram, mark C with a cross and label it C.

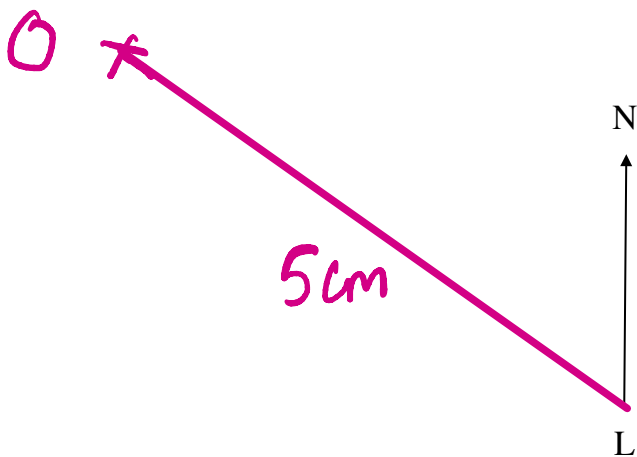
(2)

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.



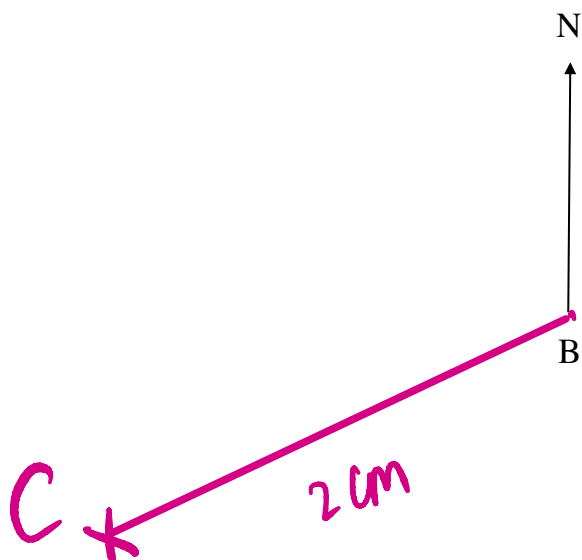
(Total for Question 3 is 2 marks)

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.



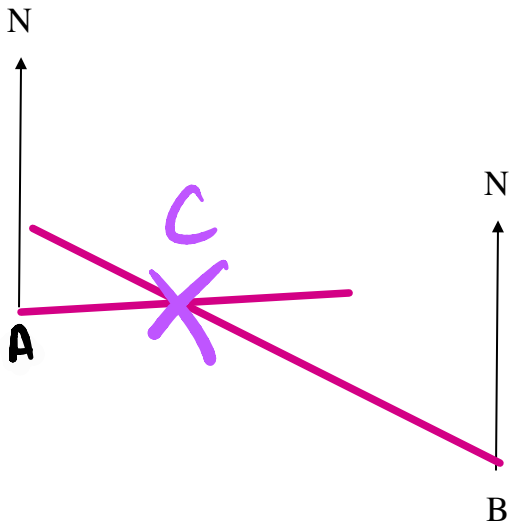
(Total for Question 4 is 2 marks)

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.

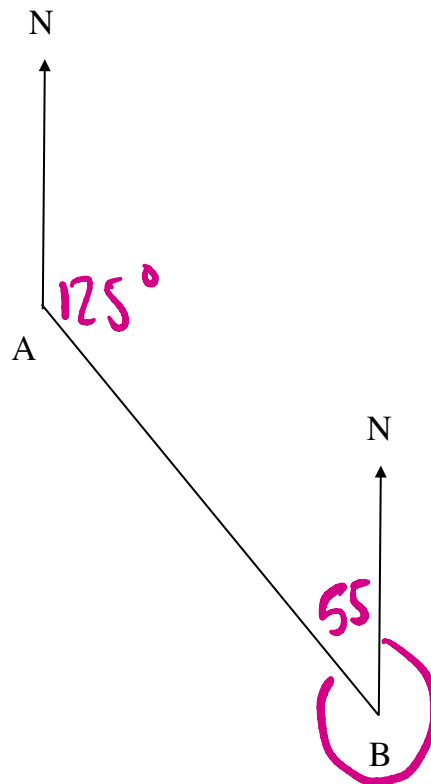
On the diagram, mark with a cross (×) the position of lighthouse C.



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.



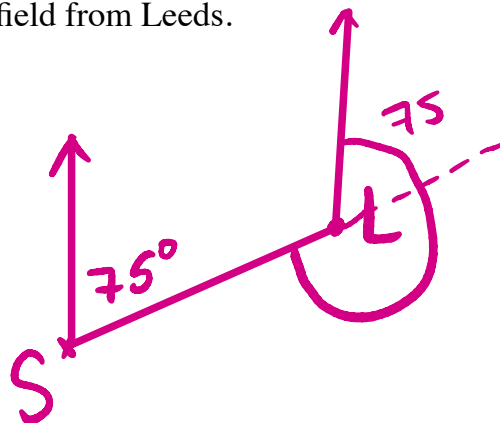
$$180 - 125 = 55$$
$$360 - 55$$

$$305^\circ$$

(Total for Question 6 is 2 marks)

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

Find the bearing of Sheffield from Leeds.



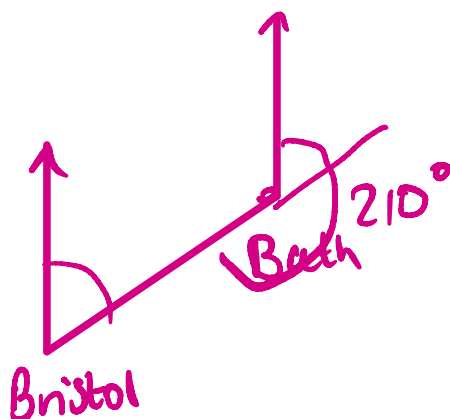
$$180 + 75$$

$$255^\circ$$

(Total for Question 7 is 2 marks)

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

Find the bearing of Bath from Bristol.



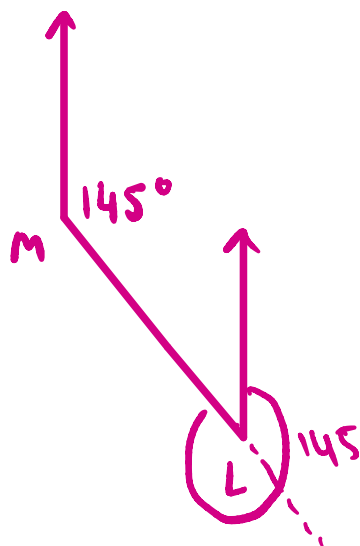
$$210 - 180$$

$$030^\circ$$

(Total for Question 8 is 2 marks)

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

Find the bearing of Manchester from Liverpool.



$$180 + 145$$

$$325^\circ$$

(Total for Question 9 is 2 marks)